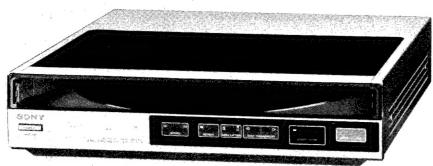
SELT

US Model Canadian Model AEP Model UK Model E Model



STEREO TURNTABLE SYSTEM

SPECIFICATIONS

Turntable

Platter Motor

29 cm (111/2 in.), aluminum-alloy diecast Linear torque BSL (brushless and slotless)

motor

Drive system

Direct drive

Control system

FG servo control system

Speed

331/3 rpm, 45 rpm

Wow and flutter

0.03% (WRMS)*, 0.035% (WRMS)

±0.045% (DIN)

Signal-to-noise ratio

75 dB (DIN-B)

Automatic system

Lead-in, return, reject, repeat, record size

Tonearm

Type

Electronic tonearm, linear tracking

Overall arm length

Pivot-to-stylus length 100 mm (4 in.) 170 mm (63/4 in.)

Tracking error

±0.1°

Tracking force adjustment range 1.25 ±0.25 g

Cartridge

plug-in type, 6 g

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Cartridge XL-250G

Type Frequency response

Channel separation

Output voltage Load impedance

Tracking force Stylus

Weight

Moving magnet type 10 Hz to 20,000 Hz

23 dB at 1 kHz

5 mV at 1 kHz, 5 cm/sec.,45°

50 to 100 kilohms

1.0 to 1.5 g (1.25 g recommended)

Sony ND-250G

6 g

- Continued on page 2 -

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE / SUR LES DIAGRAMMES SCHÉ-MATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REM-PLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.





General

Power requirements AEP model: 220 V ac, 50/60 Hz

UK model: 240 V ac, 50/60 Hz

E model: 110 - 120 or 220 - 240 V ac ad-

justable, 50/60 Hz

Po

Power consumption 13 W

Dimensions

Weight

Approx. $355 \times 88 \times 370 \text{ mm (w/h/d)}$

 $(14 \times 3^{1/2} \times 14^{5/8} \text{ in.})$

including projecting parts and controls

Approx. 7.0 kg (15 lbs 7 oz), net

Approx. 8.2 kg (18 lbs 2 oz), in shipping

carton

0 dB = 0.775 V

FEATURES

Servo-controlled linear tracking tonearm

A linear tracking tonearm is designed to duplicate the movement of the head which cuts the record master.

Compared with a pivoted tonearm, a linear tracking arm has a very small tracking error (which means greatly reduced harmonic distortion) and almost no pressure on the inside wall of the groove (which means improved tracking ability and channel separation).

Biotracer electronic tonearm

The horizontal and vertical movement of the tonearm is monitored by the Biotracer's own sensors, and this information is transmitted to the tonearm by the tonearm's own linear motors to suppress resonance at low frequencies and to obtain the maximum signal-tonoise ratio.

A microprocessor controls three motors

The movement of the turntable, the tonearm and the turntable module is controlled by a microcomputer. When you press the START/STOP key, the module will close, the turntable will rotate and the tonearm will lower onto the record.

Fully automatic system

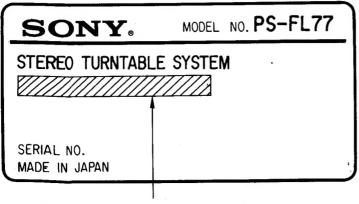
With the module closed, automatic record play and stylus up/down are operated by the "feather-touch" function key on the front panel. The record size is automatically set by a photo sensor system. If no record is on the turntable, the tonearm will not descend but will automatically return to the arm rest. A muting system activates when the tonearm is lifted and deactivates after the tonearm lowers onto a record so there is no need to turn the amplifier volume down every time a stylus is placed on a record.

NOTES ON REPAIR

 In this set, the voltage is applied to the power supplying line (±23V) even if the POWER switch is turned OFF.

— When removing the bottom plate —

- When POWER switch (S4) turns ON with bottom plate removed, MD motor (M901) and the gear continue to rotate and they do not stop. But, it is not broken.
 - 1. When CLOSE END switch (S3) on the switch board and POWER switch (S4) turn ON, the motor dose not begin to rotate.
 - 2. When CLOSE END switch is pressed, the motor stops even if the motor is rotating.
 - 3. When START switch (S502) is pressed, MD motor starts rotating. But, it stops if the disposition of 1. or 2. is performed.
 - Release CLOSE END switch (S3) when MD motor stops rotating.



US, Canadian model: 120V AEP model: 220V

- -

60Hz 13W

UK model: 240V

50/60Hz 50/60Hz 13W 13W

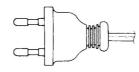
E model: 110-120V, 220-240V 50/60Hz 13W

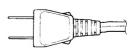
- Power Cord -

E₁ model: euro-plug

1-555-734-00

E₂ model: parallel-blade plug 1-551-473-31





LOCATION OF PARTS AND CONTROLS

The photo below shows the assembled turntable. Center spindle 4 Synchro remote control jack R Auto record size selection holes and lamp 2 Rubber mat 1 POWER switch SPEED selector OPEN/CLOSE key 6 START/STOP key 9 REPEAT key 8 ▼ ▼ ARM LIFTER key ARM TRANSPORT keys

POWER switch

Press to turn on the turntable. To turn the turntable off, press it again.

Rubber mat

Place the rubber mat so that the holes for auto record size selection on the rubber mat and on the platter are matched correctly.

Auto record size selection holes and lamp

Record size is automatically selected by a beam transmitted from a lamp through the holes on the rubber mat and the platter to the photo detectors underneath the platter. When no record is on the platter, the tonearm will not lower onto the turntable.

Synchro remote control jack

Synchronized recording from disc to tape is possible on specified Sony cassette decks by using the optional RM-65 synchro remote control unit.

OPEN/CLOSE key

With one touch of this key the turntable module automatically opens for loading a record. With another touch the module automatically closes.

⊕ START/STOP key

Press to start the record playing. To stop during play, press it

② ◄► ARM TRANSPORT keys

To move the tonearm inward, press the ◀ key, and to move outward, the ▶ key. The tonearm is raised and continues to move while the key is pressed. The tonearm will stop when the key is released. For fine adjustments, press and immediately release the appropriate key.

▼ ▼ ARM LIFTER key

This key lifts and lowers the tonearm. When the tonearm is lowered, the turntable starts rotating.

⊕ REPEAT key

Press this key to repeat play. Repeat play continues until this key is pressed to release it. If the START/STOP key is pressed during repeat play, the tonearm returns to the arm rest and the turntable stops rotating.

® SPEED selector

Press this key when a 45 rpm record is to be played. Press it again for a 33¹/₃ rpm record.

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

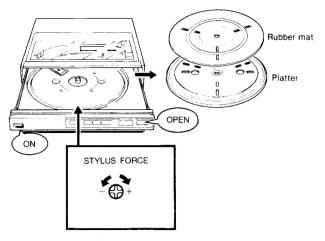
- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

To Exposed Metal Parts on Set $0.15\mu F \longrightarrow 1.5 \, k\Omega \qquad / \qquad AC \qquad voltmeter \qquad (0.75 \, V)$ = Earth GroundFig. A. Using an AC voltmeter to check AC leakage.

TRACKING FORCE FINE ADJUSTMENT

The tracking force has been correctly adjusted at the factory. Make fine adjustment only when the tracking force is so light that the stylus skips grooves.

The tracking force adjustment opening is located on the motor board. Insert the supplied adjustment key and turn it clockwise·(+) for heavier tracking force or counterclockwise (-) for lighter tracking force.



MAINTENANCE

Stylus

Before playing a record, clean the stylus with a soft brush. Brush the stylus from back to front. Never attempt to clean the stylus with your finger tip. If a fluid stylus cleaner is used, make sure not to moisten the stylus too much.

Cabinet

Clean the cabinet periodically with a soft dry cloth. If the stains are difficult to remove, use a cloth moistened with a mild detergent solution. Do not use solvents such as alcohol, benzine or thinner, since they will damage the finish.

Rubber mat

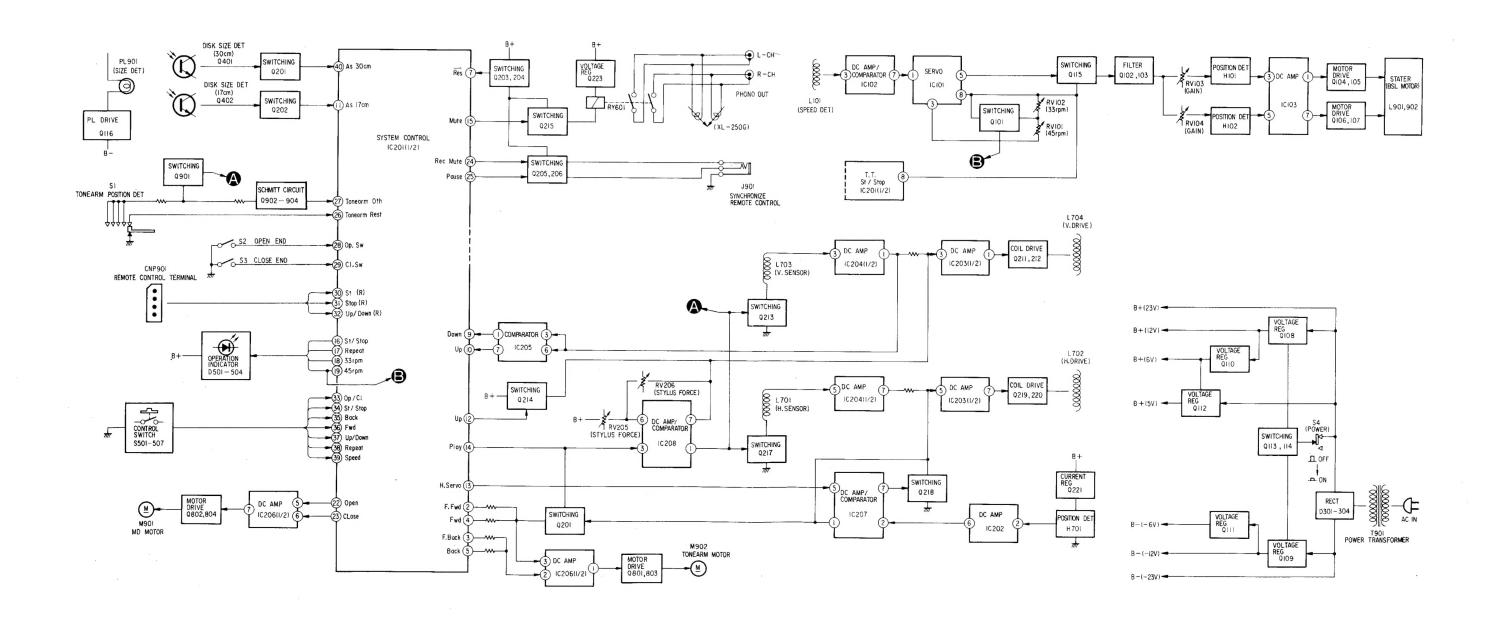
When the rubber mat becomes dirty, wipe it gently with a soft cloth slightly dampened with water.

Lubrication

The turntable requires no periodic lubrication. The motor shaft is lubricated at the factory for the life of the turntable.

SECTION 1 OUTLINE

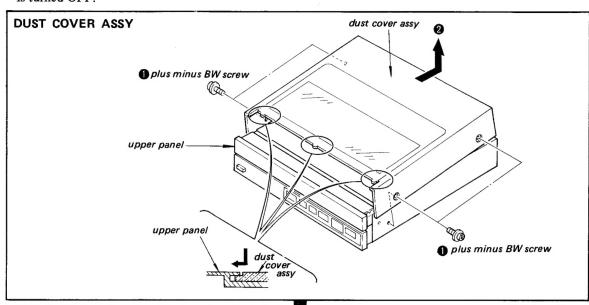
1-1. BLOCK DIAGRAMS

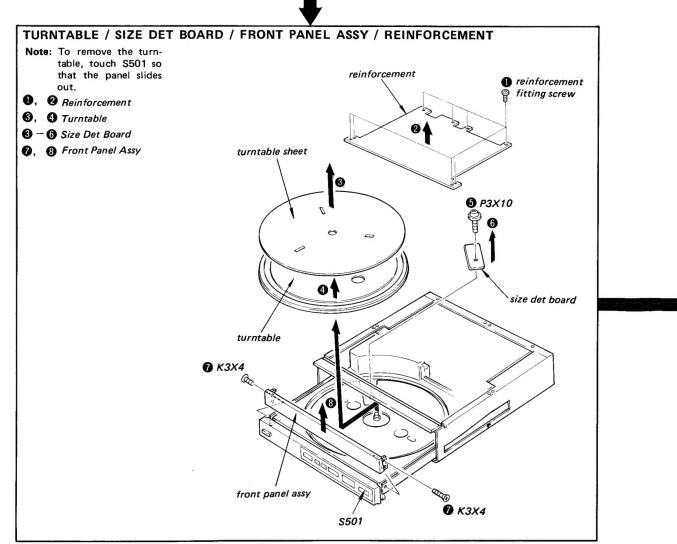


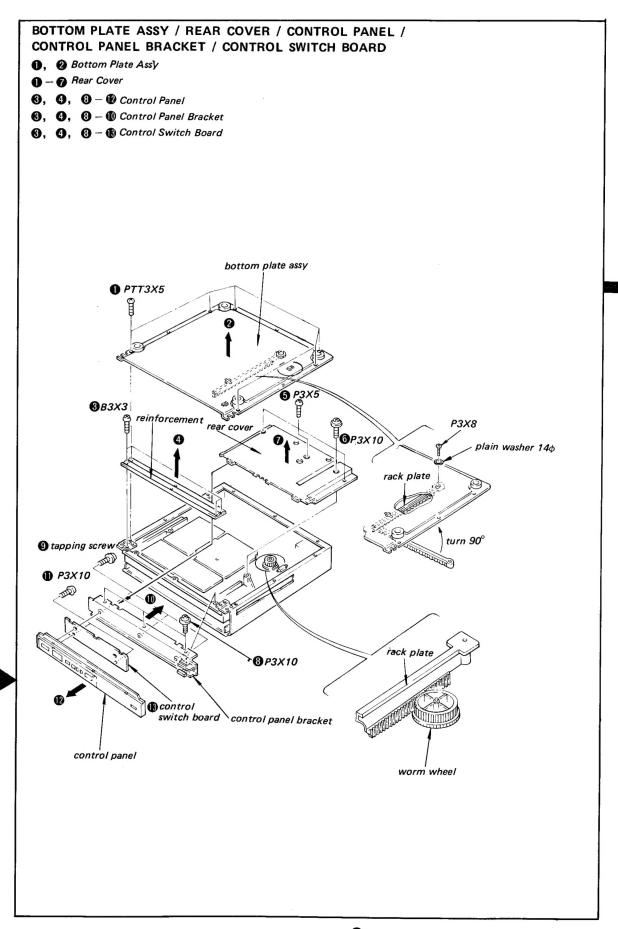
SECTION 2 DISASSEMBLY

2-1. REMOVAL

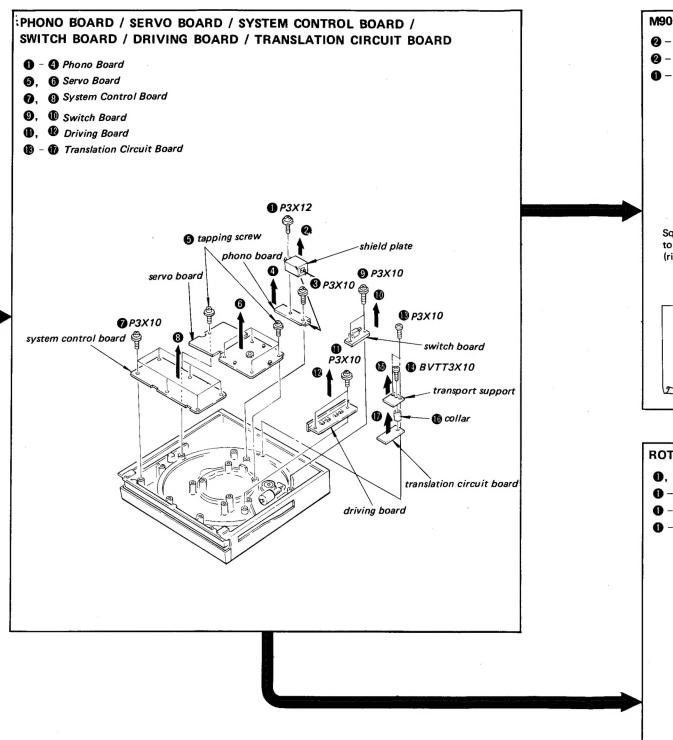
- Follow the disassembly procedure in the numerical order given.
- In this set, the voltage is applied to the power supplying line (±23V) even if the POWER switch is turned OFF.

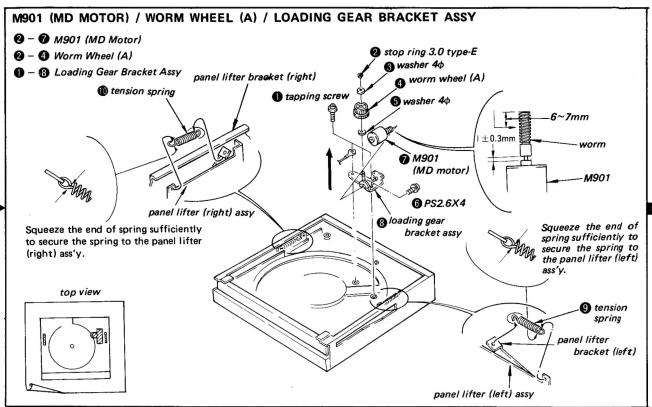


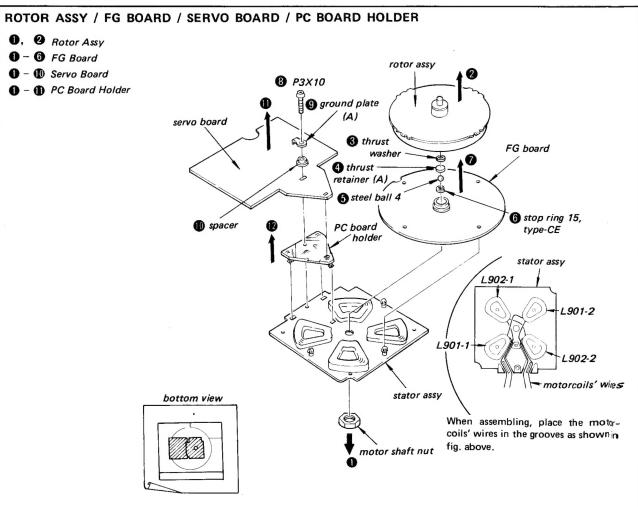




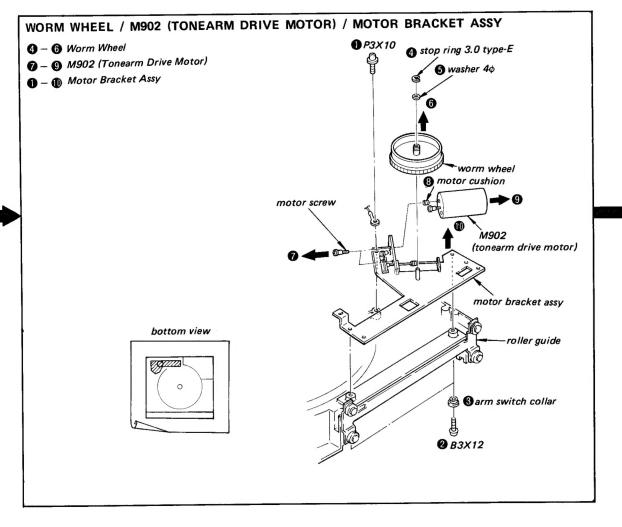
PS-FL77 PS-FL77

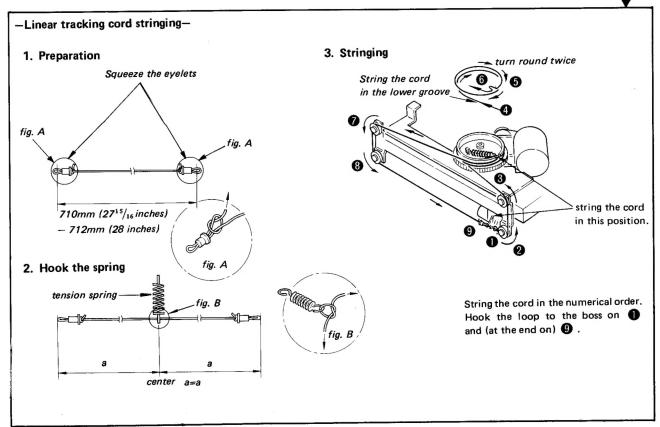


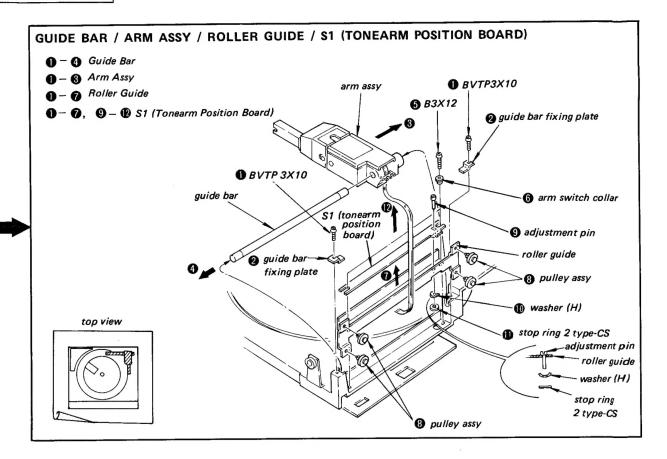


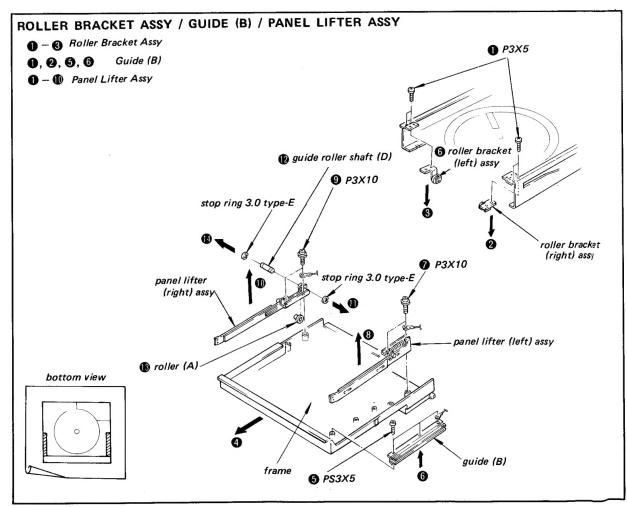


PS-FL77 PS-FL77

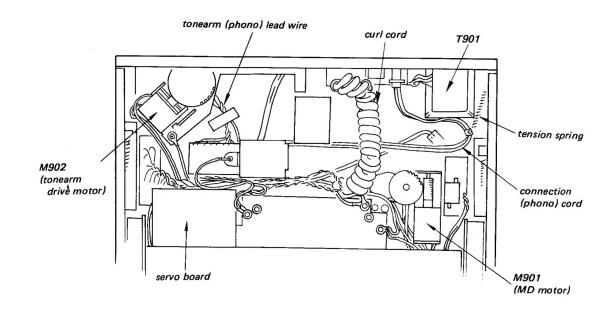


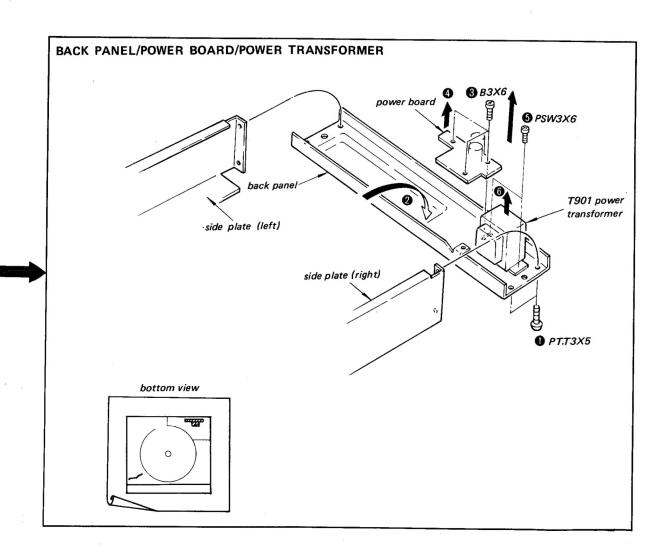


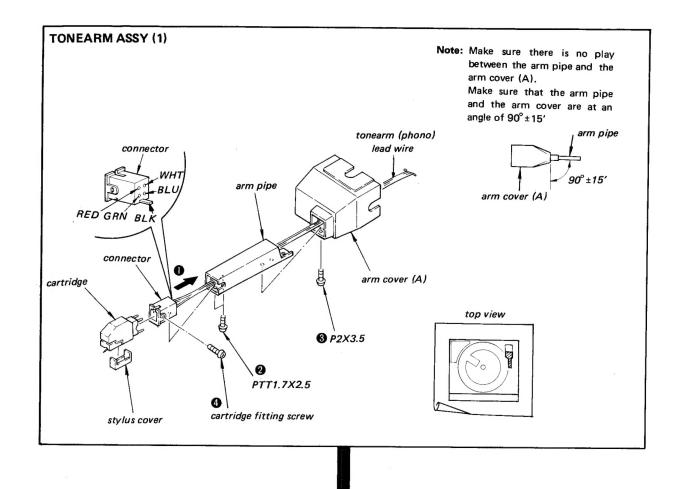


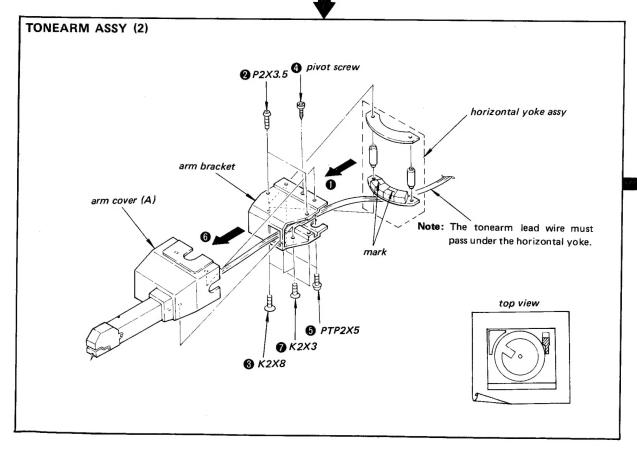


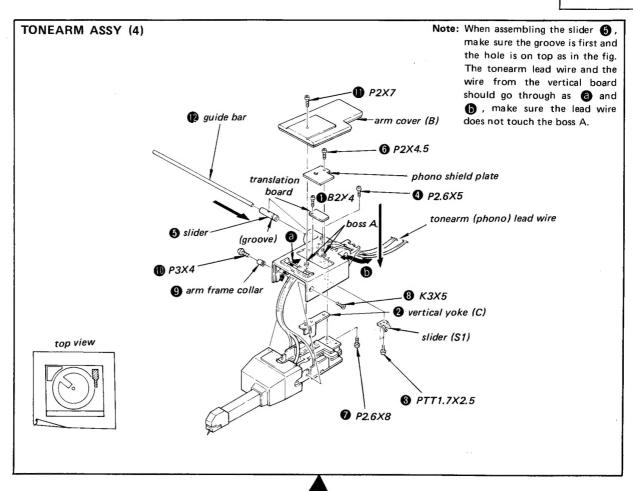
-Lead wires' position-

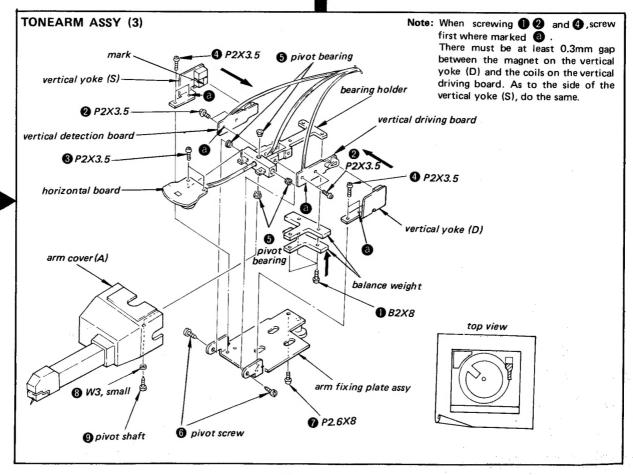










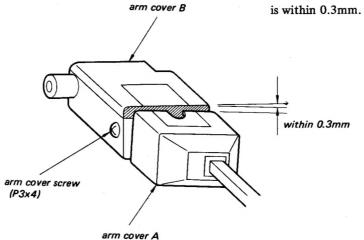


SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

Arm Cover Inclination Adjustment

Loosen the arm cover screw. Fix the screw so that the inclination of the arm cover B to the arm cover A



Test Record	Specification
YFSC-16 (30cm)	8 - 15 count
YFSB-6 (17cm)	18 – 29 count

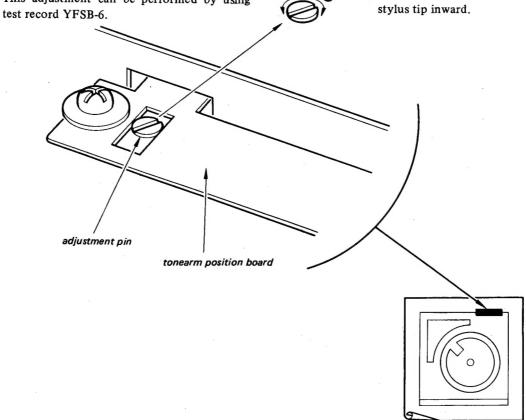
Stylus Drop-point Adjustment

- 1. Put the test record (YFSC-16).
- 2. Press START/STOP button.
- 3. Turn the adjustment screw so that the drop-point

obtains within the specification. Note: This adjustment can be performed by using

- A If the count value decreases, move the stylus tip outward.
- B If the count value increases, move the stylus tip inward.

Top view

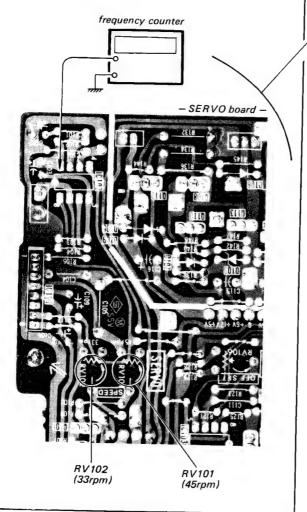


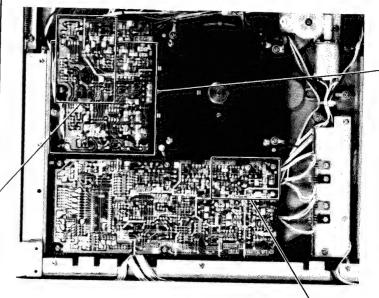
- · Perform the adjustments with the set operating normally.
- In this set, the voltage is applied to the power supplying line (±23V) even if the POWER switch is turned OFF.
- · Repeat the procedures 2-3 times.

Turntable Speed Adjustment

- 1. Connect frequency counter to IC102 pin (1).
- 2. POWER switch: ON START switch: ON SPEED switch: 45 rpm
- 3. Adjust RV101 so that the frequency counter reading is 95.7-96.3Hz.
- 4. SPEED switch: 33 rpm
- 5. Adjust RV102 so that the frequency counter reading is 70.90-71.32Hz.

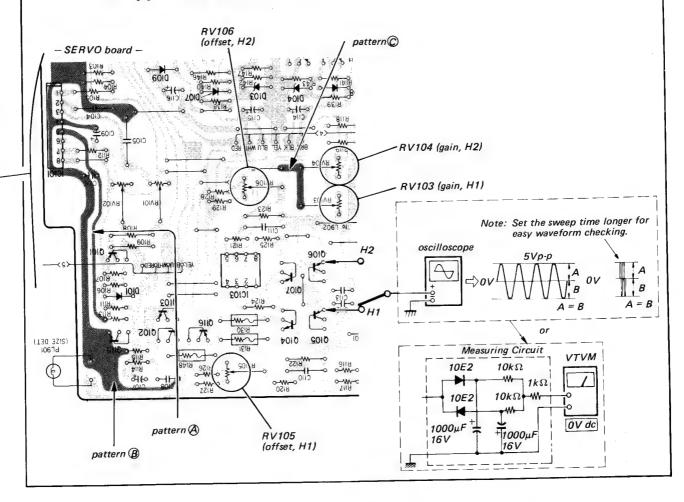
Note: When the adjustment of 45 rpm (RV101) is performed, it makes a difference of adjustment value of 33 rpm. So, the adjustment should be finally done by 33 rpm (RV102).

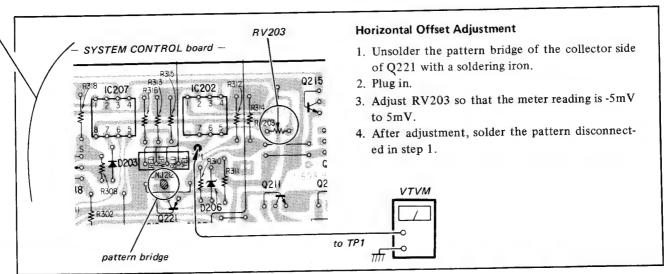




Gain/Offset Adjustment

- 1. Connect IC101 pin ⑤ to the ground pattern. (Connect the pattern A to B with a jumper lead.)
- 2. Apply DC 1.5V to the emitter of Q103 (Pattern ©).
- 3. Adjust RV103(H1) and RV104(H2) so that the emitter voltage of Q104, 105(H1) and Q106, 107(H2) are 5V_{p-p}.Gain Adjustment
- 4. Adjust RV105(H1) and RV106(H2) so that the emitter waveforms of Q104, 105(H1) and Q106, 107(H2) are as shown below (or so that DC potential is 0V).Offset Adjustment
- 5. After adjustment, remove the jumper lead connected in step 1.



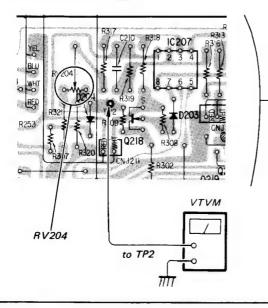


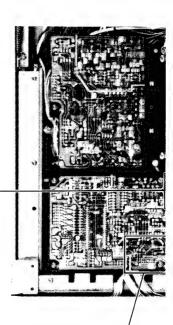
Tonearm Angle Adjustment (1)

- 1. Fix the turntable with adhesive tapes to prevent it from rotating, put a record on the turntable and lower the tonearm.
- 2. Make sure that the tonearm and the arm guide bar are at an angle of 90° (see fig. A page 20)
- Adjust RV204 so that the meter reading is -0.1V to 0.1V

Note: Do not prevent the turntable from rotating more than 2 to 3 minutes (otherwise it will damage the rotating parts).

-SYSTEM CONTROL board-



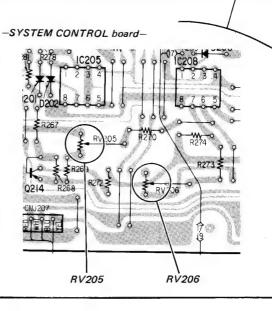


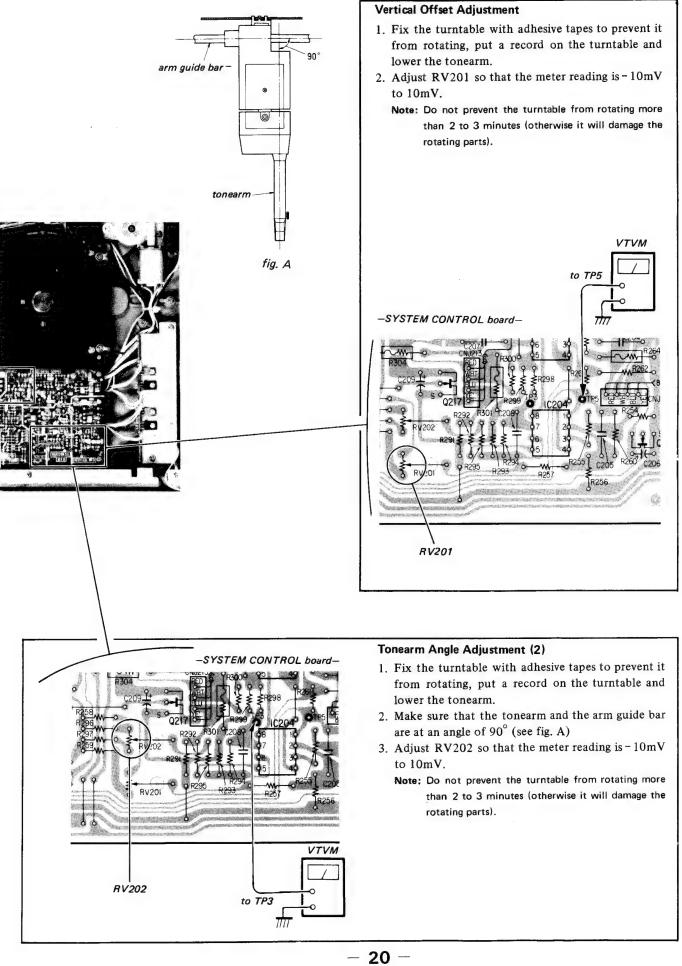
Stylus Force Adjustment

- 1. Set RV206 in the mechanical center.
- 2. Fix the turntable with adhesive tapes to prevent it from rotating, put the stylus force gauge on the turntable and lower the tonearm on the gauge.
- 3. Adjust RV205 so that the stylus force becomes 1.2g to 1.3g

Note: If specification is not met by turning RV205, adjust RV206.

Do not prevent the turntable from rotating more than 2 to 3 minutes (otherwise it will damage the rotating parts.)



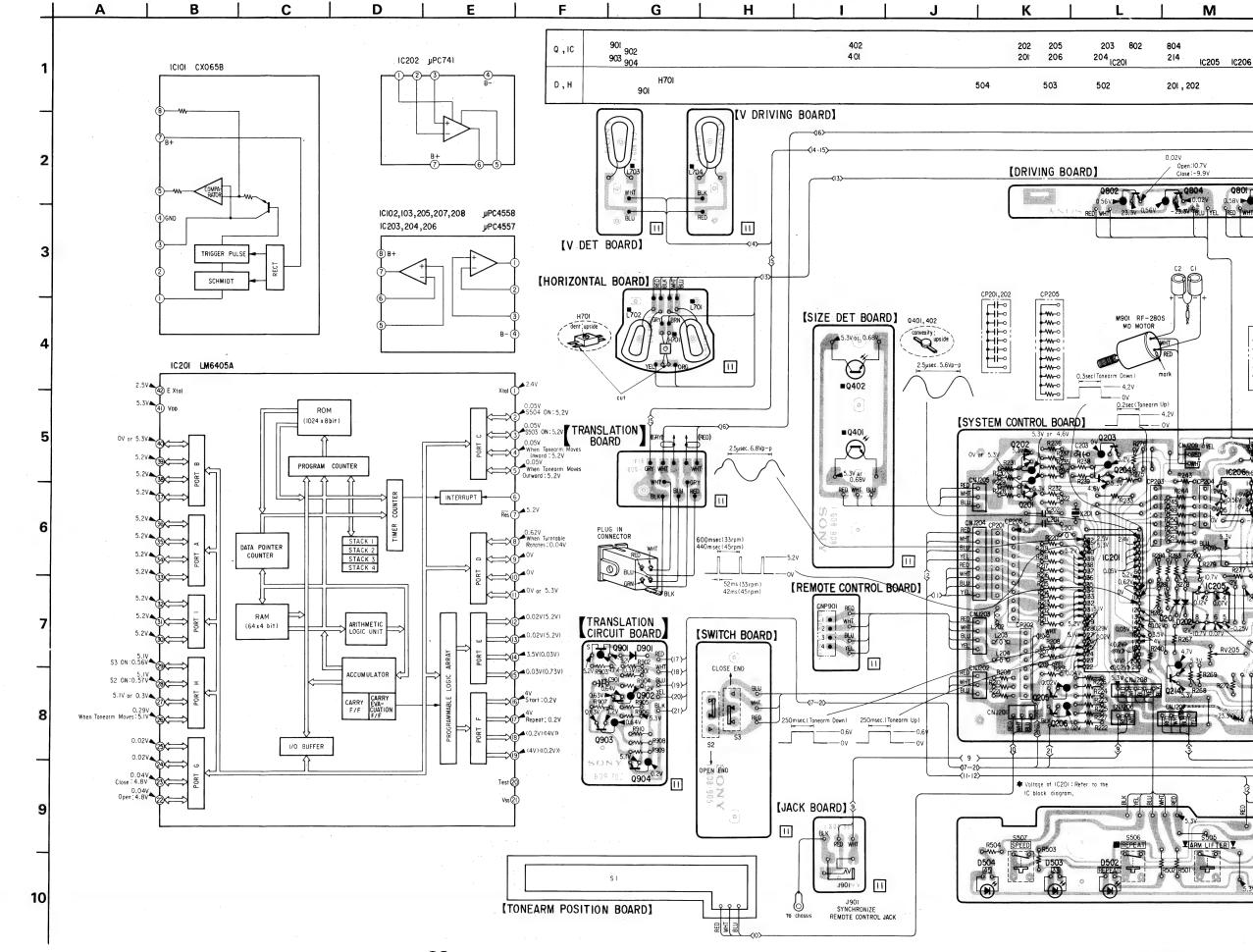


PS-FL77 PS-FL77

SECTION 4 DIAGRAMS

4-1. MOUNTING DIAGRAM

- Conductor Side -
- See page 33 for the semiconductor lead layouts and circuit boards location.

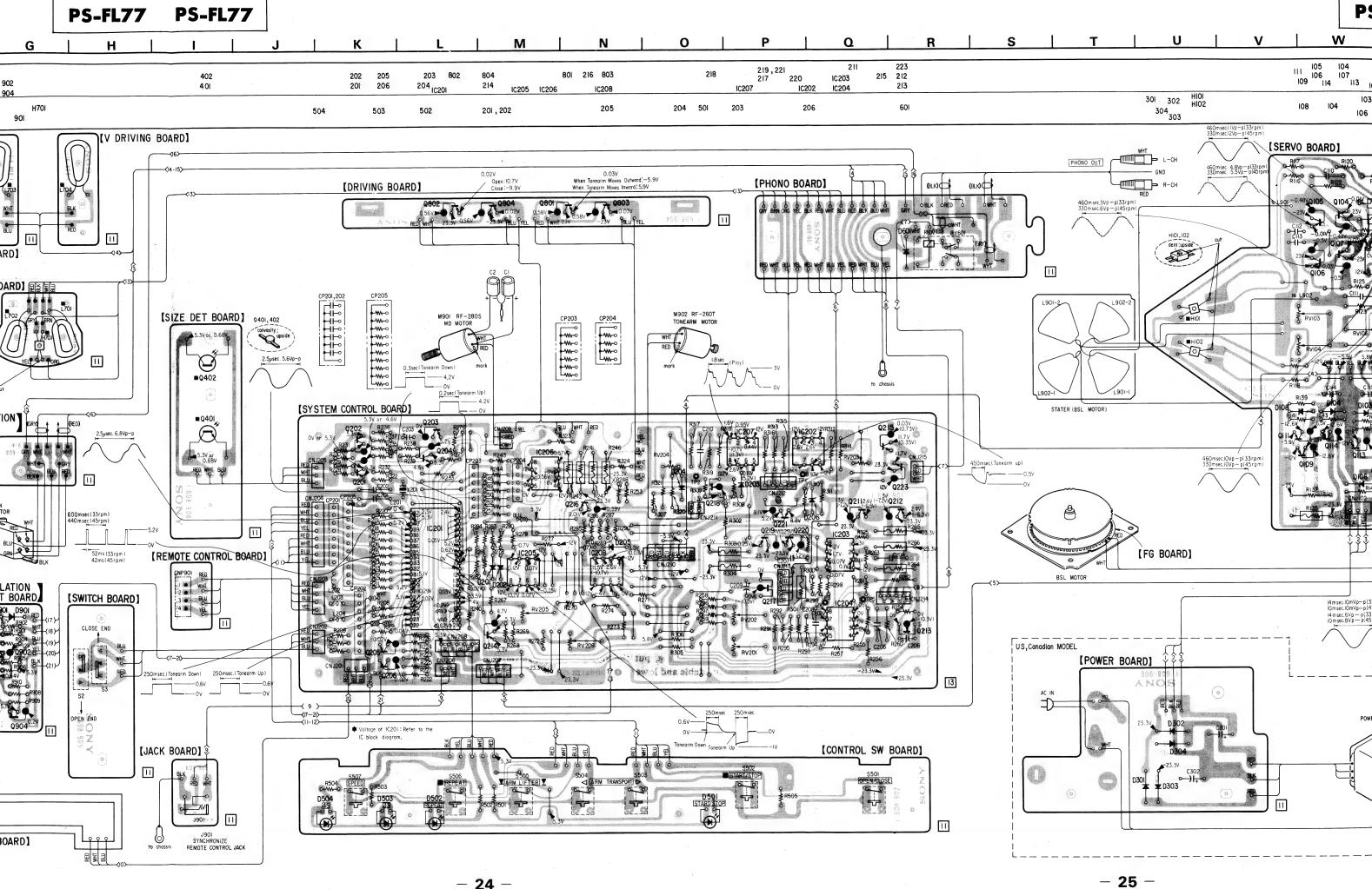


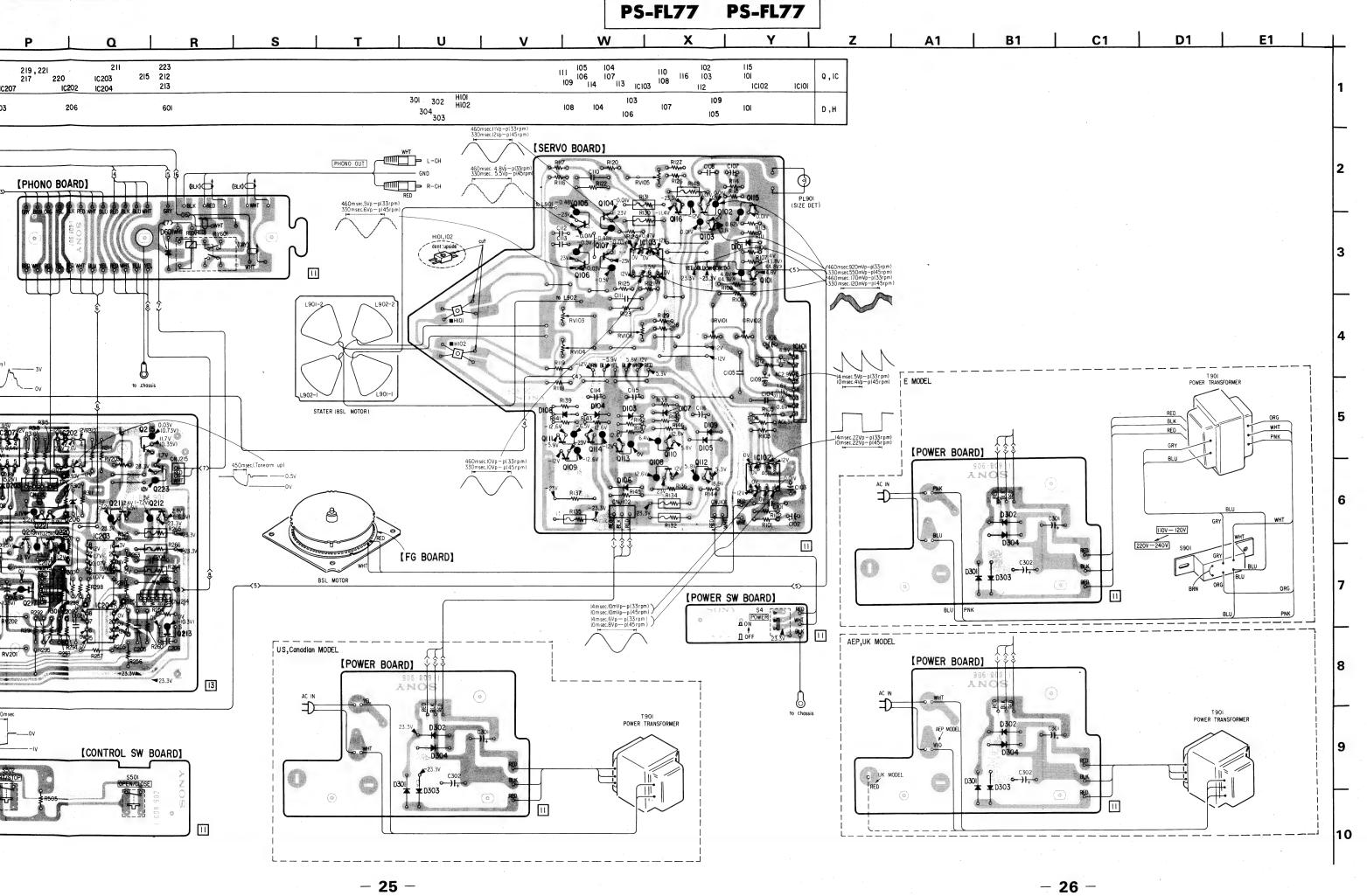
Note:

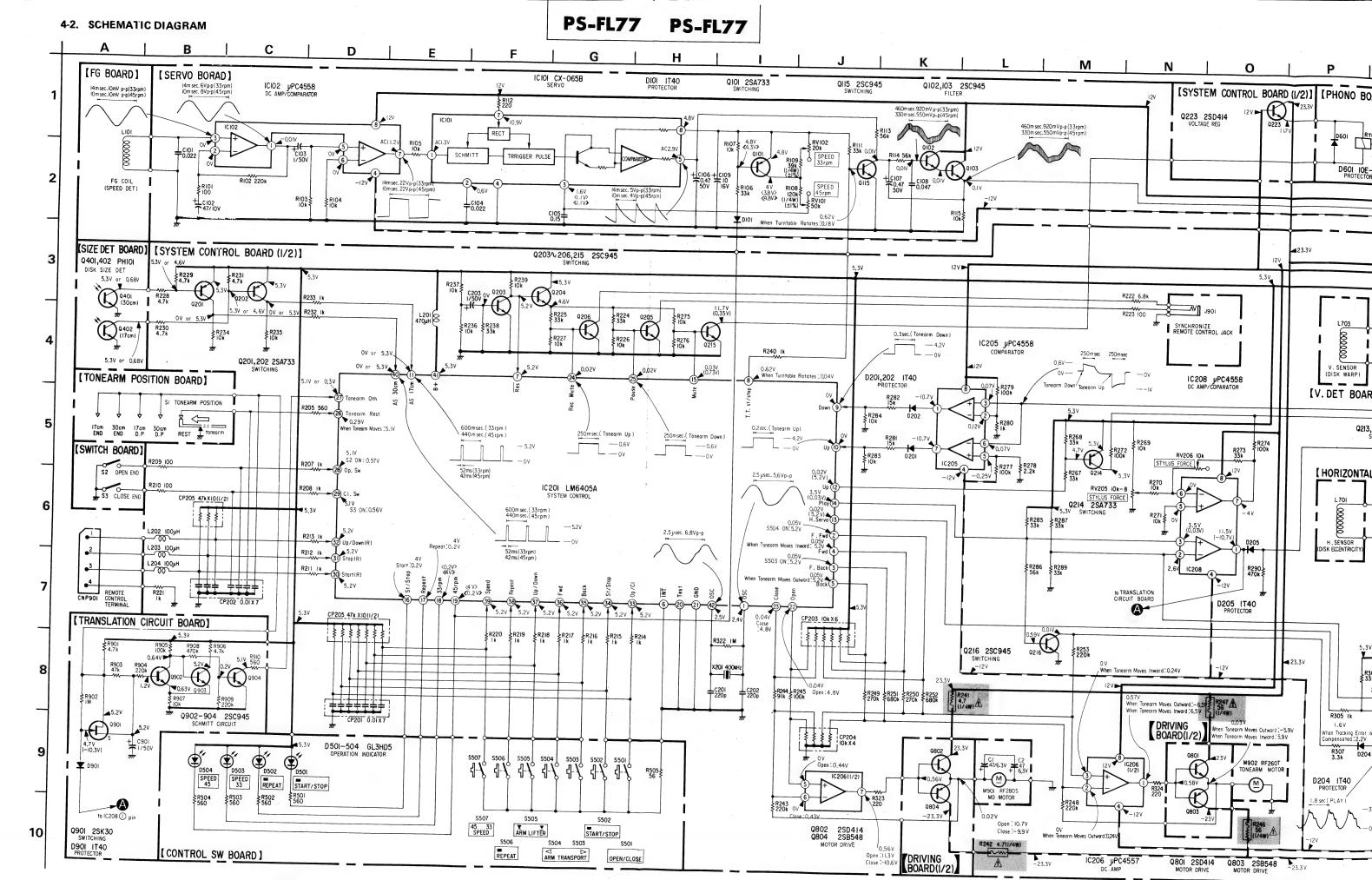
Color code of sleeving over the end of the jacket.

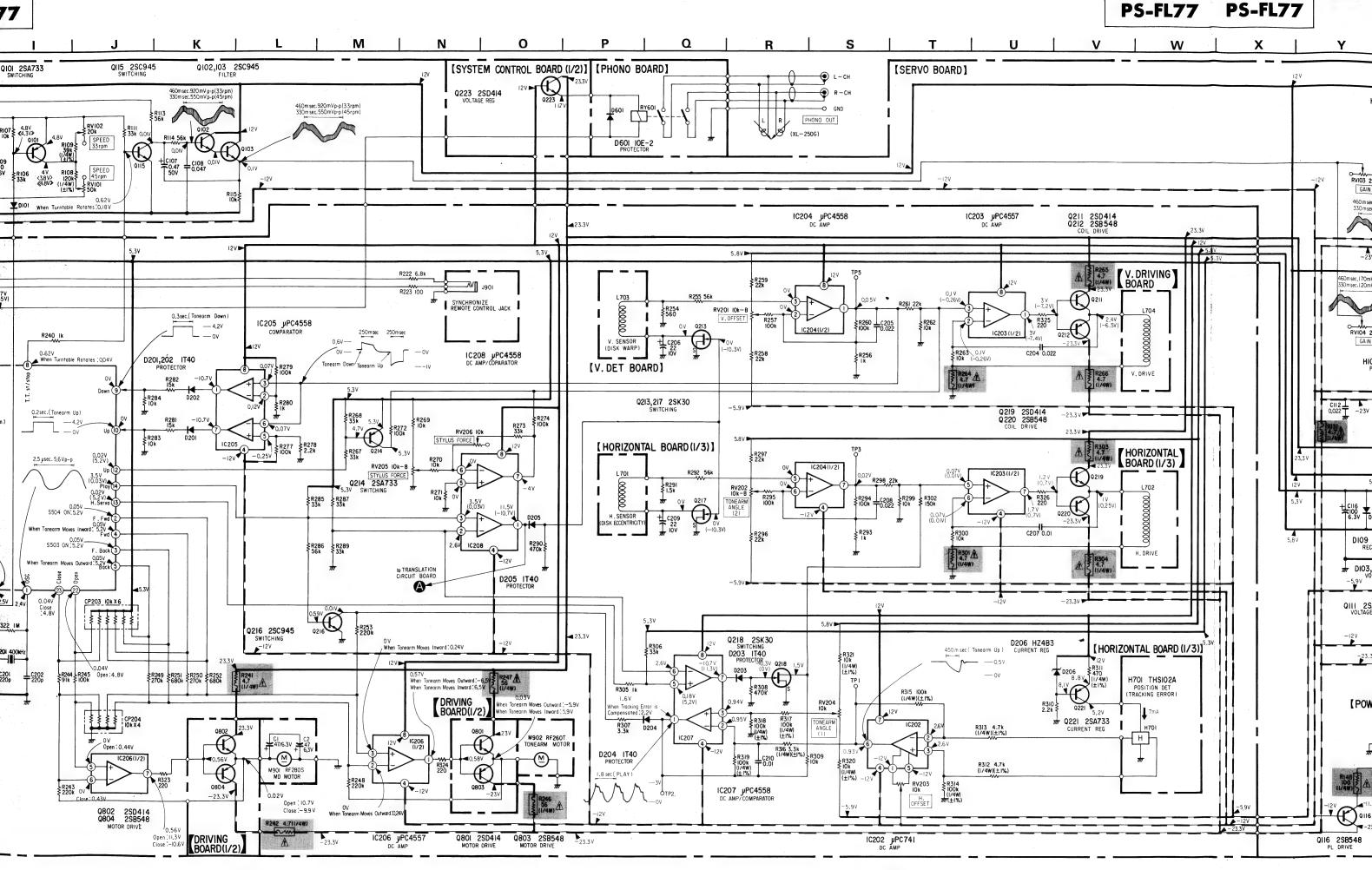


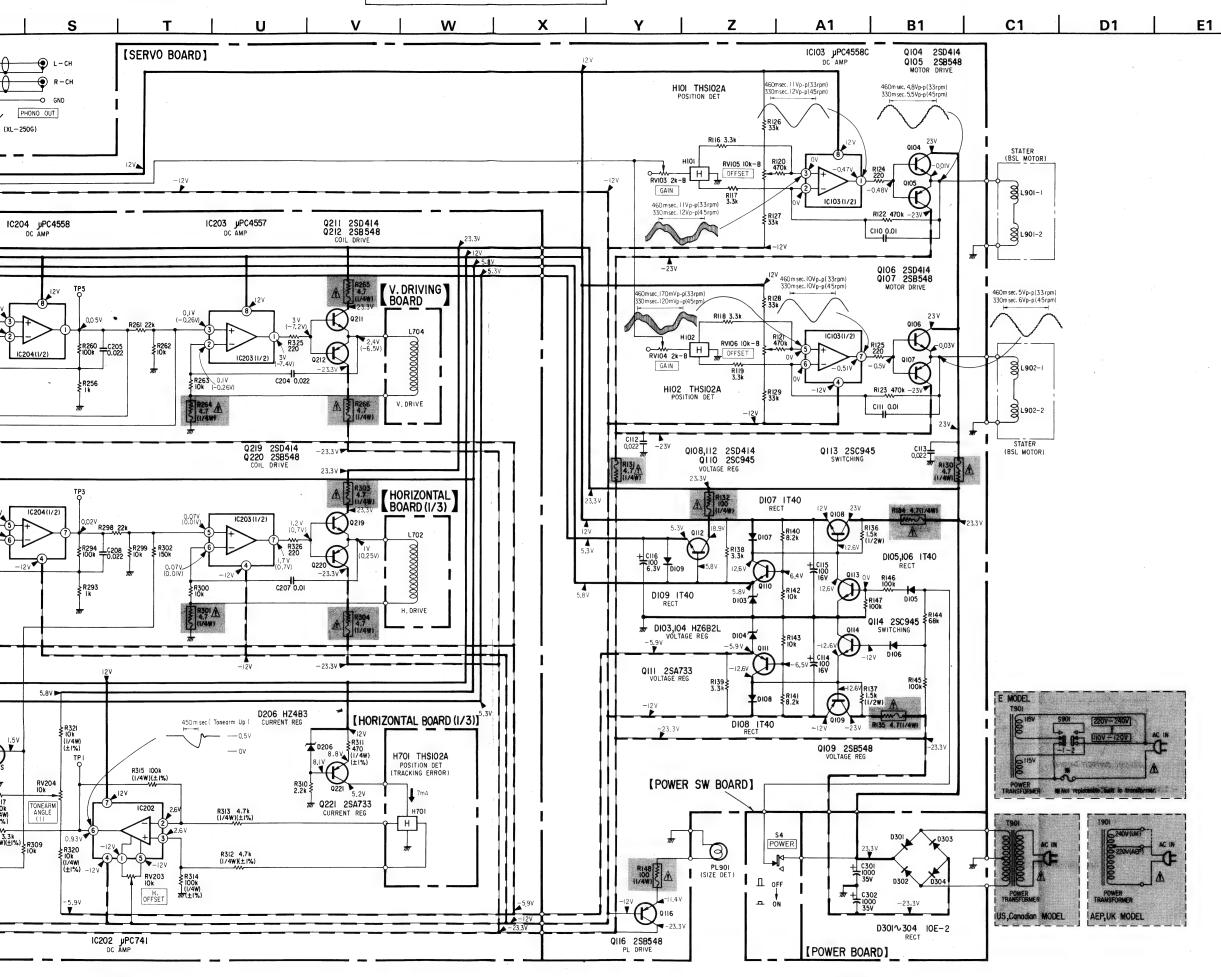
- o- : parts extracted from the component side.
- parts extracted from the conductor side.
- part mounted on the conductor side.
- B + pattern











Note:

Note: The components identified by shading and mark

A are critical for safety. Replace only with
part number specified.

Note: Les composants identifiés par une trame et une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $^1\!/_6W$ unless otherwise noted. k\$\Omega\$: 1000 \$\Omega\$, M\$\Omega\$: 1000 k\$\Omega\$
- fusible resistor.
- _____ : panel designation.
- _____ : adjustment for repair.
- ---: B+ bus.
- ———: B- bus.
- Voltages and waveforms are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions (Power switch turns ON) with a VOM.

Waveforms are measured under no-signal conditions (Power switch turns ON) with an oscilloscope.

no mark : STOP < > : 33rpm

> . 35rpm ≥ . 45rpm

) : TONEARM DOWN

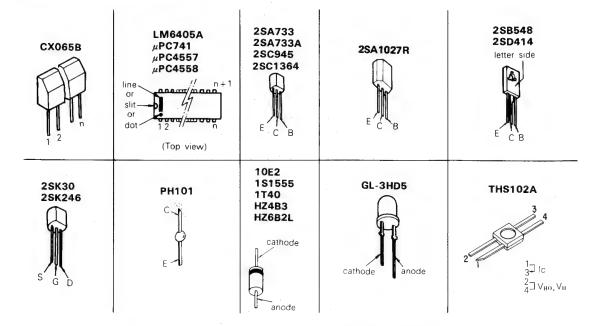
 Voltage and waveform variations may be noted due to normal production tolerances.

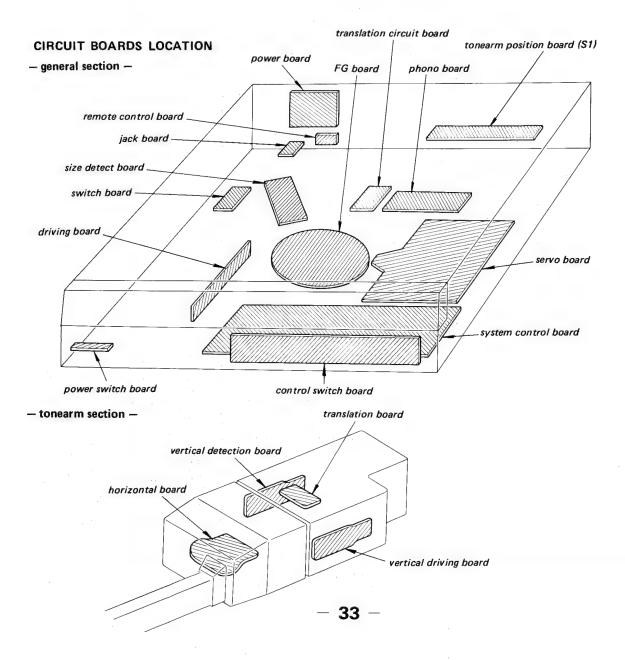
Note: Voltages are measured with a VOM (50k Ω /V).

Switch

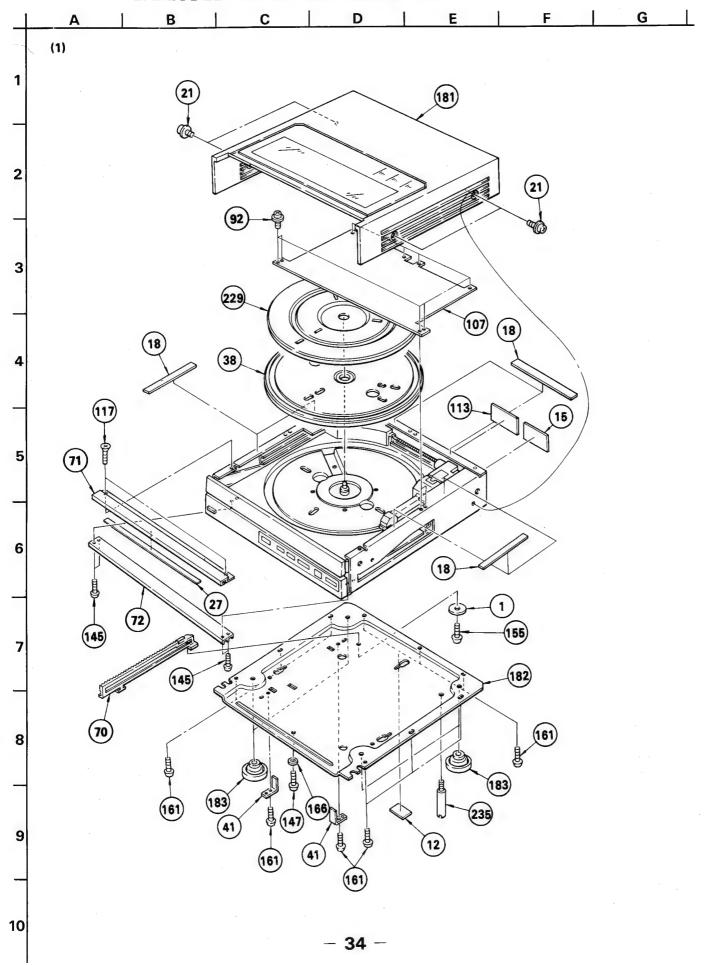
Ref. No.	Switch	Position
Si	TONEARM POSITION	REST
S2	OPEN END	OFF
S3	CLOSE END	OFF
S4	POWER	OFF
S501	OPEN/CLOSE	OFF
S502	START/STOP	OFF
S503	ARM TRANSPORT (BACK)	OFF
S504	ARM TRANSPORT (FWD)	OFF
S505	ARM LIFTER	OFF
S506	REPEAT	OFF
S507	SPEED (33/45)	OFF
S901	110V-120V/220V-240V	110V-120V

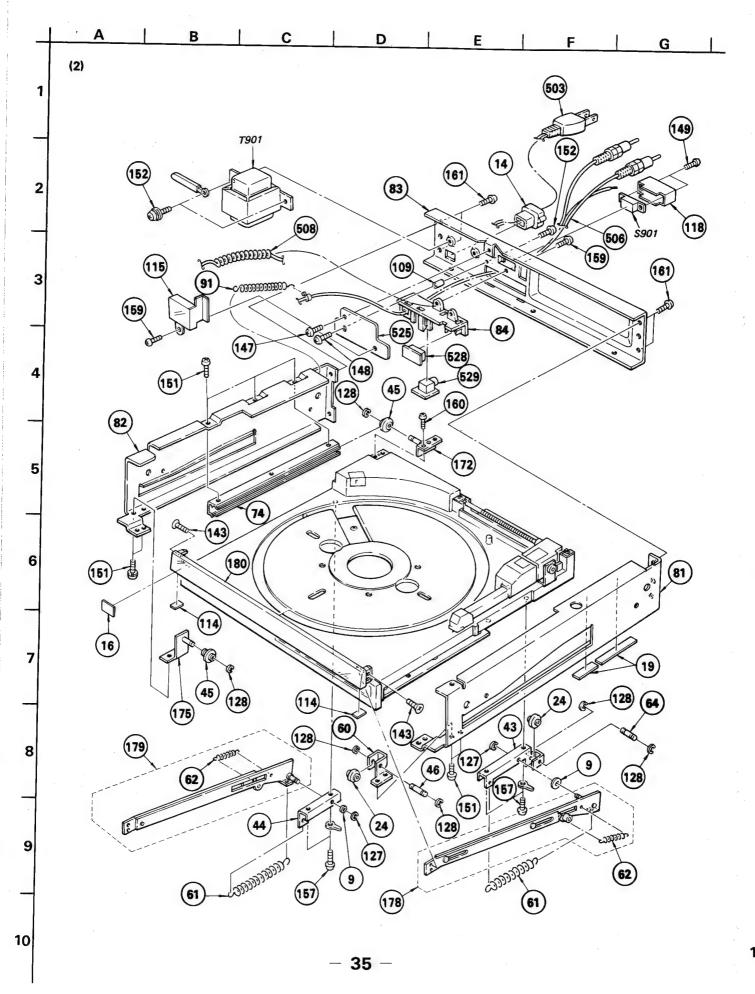
Semiconductor Lead Layouts





SECTION 5 EXPLODED VIEWS AND PARTS LIST



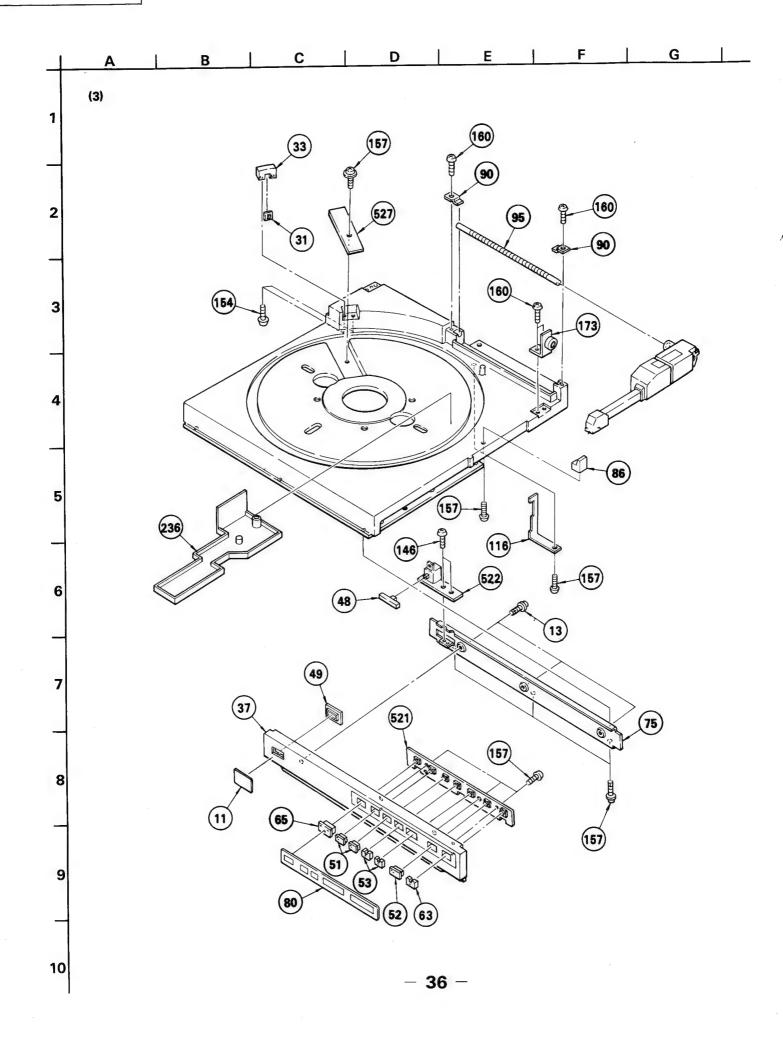


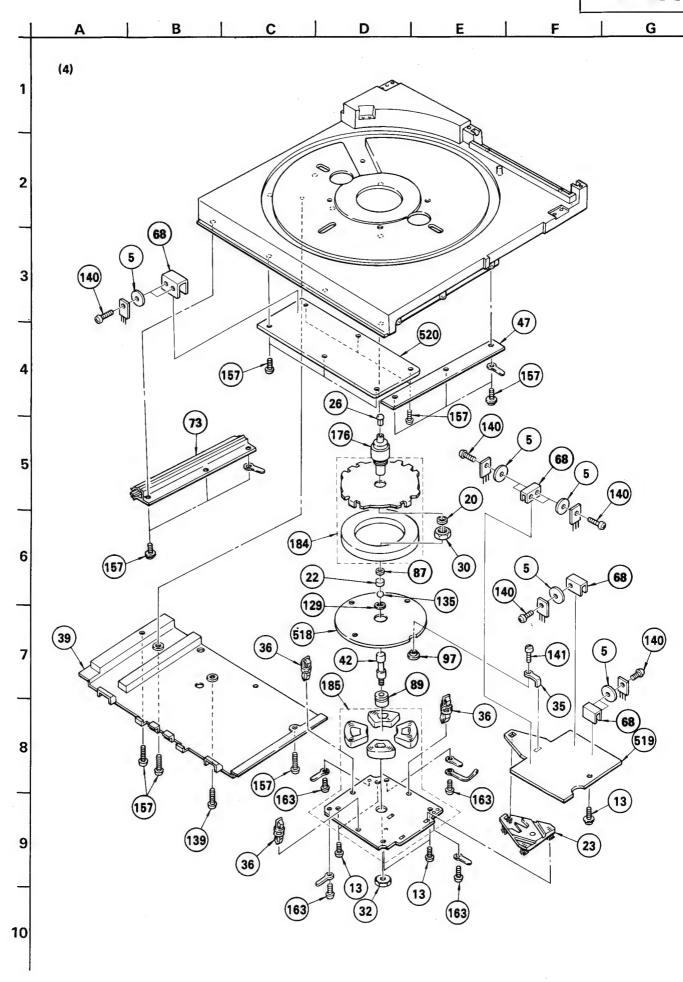
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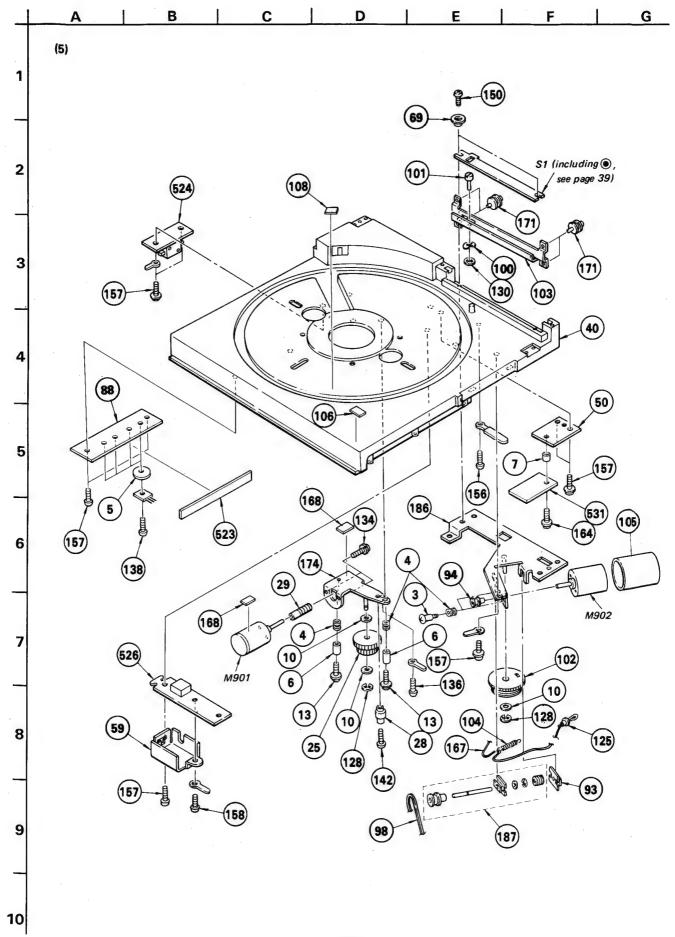
7

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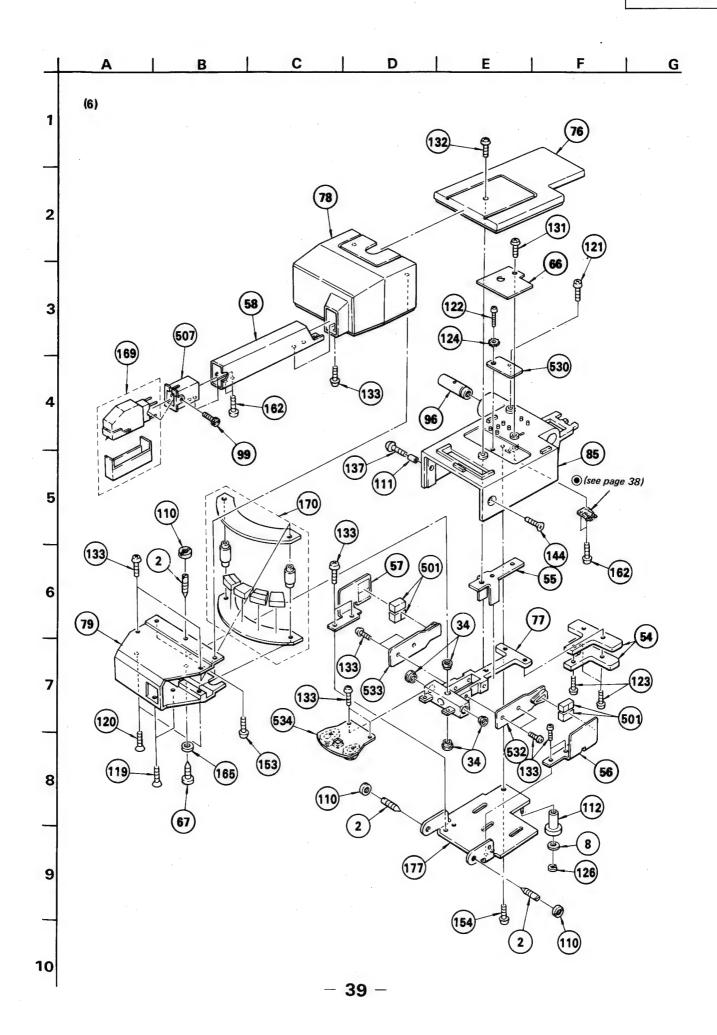
10







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GENERAL SECTION

No.	Part No.	Description
1 2 3	0-056-028-00 2-203-518-71 3-570-027-00	WASHER, PLAIN, 14 DIA. SCREW, PIVOT SCREW, MOTOR
4 5 6 ቆ	3-570-118-00 3-572-365-01 ;3-654-058-00	CUSHION, MOTOR SHEET (A), INSULATING SPACER 3X3
7 8 9	3-657-842-01 3-701-439-11 3-701-439-21	COLLAR WASHER WASHER
	3-701-441-21 ;3-701-690-00	WASHER (UK)LABEL (MADE IN JAPAN)
12 12 13	3-703-043-21 ;3-703-680-00 3-703-137-00	(Canadian,UK)LABEL, CAUTION, MAIN (US)LABEL, CAUTION, SUB, NEW US SCREW, TAPPING
14 14	3-703-244-00 3-703-571-00	(US,Canadian,AEP,UK)BUSHING, CORD (E)BUSHING, CORD
	3-703-396-00 ;3-703-677-00	(UK)LABEL, CAUTION (US)LABEL, CAUTION, MAIN, NEW UL
16	3-703-708-01	STICKER, SONY SYMBOL (18)
17 18	3-831-441-11	SHEET, PROTECTION
19 20 21	3-831-441-XX 3-849-306-00 4-820-330-51	SPACER WASHER SCREW, BW, PLUS MINUS
	4-852-007-00 4-857-642-00 4-879-509-00	RETAINER (A), THRUST HOLDER, PC BOARD ROLLER (A)
	4-879-514-00 ;4-879-541-00 4-879-545-11	WHEEL (A), WORM CAP, CENTER PROTECTOR (A)
29	4-879-568-00 4-879-571-00 4-879-701-00	GUIDE, RACK WORM NUT, HEXAGON
32 🌢	4-879-741-00 ;4-879-758-00 4-879-775-11	WINDOW, LAMP NUT, SHAFT, MOTOR HOLDER, LAMP
	4-881-618-00 4-881-629-00 4-881-636-11	BEARING, PIVOT PLATE (A), GROUND SUPPORT (TMD), PC
37 37	4-885-501-00 4-885-501-11	(US,Canadian,E)PANEL, CONTROL (AEP,UK)PANEL, CONTROL
39	4-885-502-00 3-4-885-504-00 4-885-506-00	TURNTABLE COVER, REAR FRAME

GENERAL SECTION

No.	Part No.	Description
42	\$;4-885-509-00 \$;4-885-515-00 \$;4-885-518-00	PLATE, FUNCTION, LOADING SWITCH SHAFT, MOTOR BRACKET (RIGHT), PANEL LIFTER
45	\$;4-885-519-00 4-885-520-00 \$;4-885-524-00	BRACKET (LEFT), PANEL LIFTER ROLLER (A), GUIDE SHAFT (C), GUIDE ROLLER
47 48 49		GUIDE (C) KNOB, POWER GUIDE, POWER KNOB
51	\$;4-885-535-00 \$;4-885-536-00 \$;4-885-537-00	SUPPORT, TRANSPORT KNOB (A) KNOB (B)
54	\$;4-885-538-00 \$;4-885-540-00 \$;4-885-542-00	KNOB (C) WEIGHT, BALANCE YOKE (C), VERTICAL
57	\$;4-885-543-00 \$;4-885-544-00 4-885-547-00	YOKE (D), VERTICAL YOKE (S), VERTICAL PIPE, ARM
60	;4-885-549-00 ;4-885-550-00 4-885-552-00	PLATE, SHIELD BRACKET (RIGHT), ROLLER SPRING, TENSION
63	4-885-553-00 \$;4-885-554-00 \$;4-885-557-00	SPRING, TENSION KNOB (D) SHAFT (D), GUIDE ROLLER
	\$;4-885-558-00 \$;4-885-559-00 4-885-561-00	KNOB (E) PLATE, SHIELD, PHONO SHAFT, PIVOT
68 69 70	♦ ;4-885-562-00 4 -885-563-00 4 -885-566-00	HEAT SINK COLLAR, ARM SWITCH PLATE, RACK
72	4-885-567-00 \$;4-885-568-00 \$;4-885-571-02	PANEL, UPPER REINFORCEMENT GUIDE (A)
74 75 76	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	GUIDE (B) BRACKET, CONTROL PANEL COVER (B), ARM
77 78 79	♦;4-885-575-00 4-885-576-03 ♦;4-885-577-00	HOLDER, BEARING COVER (A), ARM BRACKET, ARM
81	4-885-578-00 4 -885-580-00 4 ;4-885-581-00	SHEET, CONTROL PLATE (RIGHT), SIDE PLATE (LEFT), SIDE
	♦ ;4-885-583-01 ♦ ;4-885-583-21	(US,Canadian,AEP,UK)PANEL, BACK (E)PANEL, BACK
84	4-885-584-00 4-885-585-00	TERMINAL BOARD, REMOTE CONTROL- FRAME (A), ARM

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- Due to standardization, parts with part numbers ($\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$ or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-X$) may be different from those used in the set.

CAPACITORS:

^All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : µH

GENERAL SECTION

GENERAL SECTION

No.	Part No.	Description	No.	Part No.	Description
86 87 88 4	4-885-588-00 4-885-589-00 3-4-885-590-00	REST, ARM WASHER, THRUST HEAT SINK	129 130 131		STOP RING 15, TYPE-CE STOP RING 2, TYPE-CS SCREW, PRECISION +P 2X4.5
89 90 4 91		SPACER, SHAFT, MOTOR PLATE, FIXED, GUIDE BAR SPRING, TENSION	132 133 134	7-627-553-87 7-627-554-17 7-628-253-95	SCREW, PRECISION +P 2X3.5
92 93 94	4-885-703-00	SCREW, FITTING, REINFORCEMENT GUIDE, WORM SHAFT PULLEY, MOTOR	135 136 137	7-682-144-01	BALL 4, STEEL SCREW +P 3X3 SCREW +P 3X4
95 96 97	4-885-709-00 4-885-717-00 4-885-727-00	SLIDER	138 139 140	7-682-146-13	SCREW +P 3X5 SCREW +P 3X5 SCREW +P 3X6
98 99 100		BELT, DRIVING SCREW, FITTING, CARTRIDGE WASHER (H)	141 142 143	7-682-152-01	SCREW +P 3X10 SCREW +P 3X16 SCREW +K 3X4
101 102 103	4-885-749-00	PIN, ADJUSTMENT WHEEL, WORM GUIDE, ROLLER	144 145 146	7-682-544-04	SCREW +K 3X5 SCREW +B 3X3 SCREW +B 3X4
104 105 106	4-885-767-00 4-885-775-00 4-885-792-00	SPRING, TENSION CAP, MOTOR PLUG IN SEAL (A)	147 148 149	7-682-547-04	SCREW +B 3X5 SCREW +B 3X6 (E)SCREW +B 3X6
108	;4-886-708-00	REINFORCEMENT (UPPER) LABEL, STYLUS PRESSURE COLLAR, TERMINAL BOARD	150 151 152	7-682-646-01	SCREW +B 3X12 SCREW +PS 3X5 SCREW +PSW 3X6
110 111 112	4-886-713-00	NUT (B), LOCK, PIVOT COLLAR, ARM FRAME ROLLER, GUIDE	153 154 155	7-685-103-11 7-685-134-11 7-685-146-11	
113 113 113 113	4-886-715-00 4-886-716-00 4-886-717-00 4-886-718-00	(AEP)LABEL, MODEL NUMBER (US,Canadian)LABEL, MODEL NUMBER (UK)LABEL, MODEL NUMBER (E)LABEL, MODEL NUMBER	156 157 158	7-685-146-14 7-685-147-21 7-685-148-11	SCREW +P 3X10 TYPE2 SLIT
114 115	4-886-719-00 ;4-886-720-00	SHEET, PROTECTION COVER, INSULATING PLATE, PHONO CORD	159 160 161	7-685-545-14 7-685-647-24 7-685-750-01	SCREW +BVTP 3X10 TYPE2 SLIT
117 118 119	4-886-722-00 4-886-724-00	SCREW, FITTING, UPPER PANEL (E)COVER, SELECTION, VOLTAGE SCREW +K 2X3	162 163 164	7-685-870-01 7-685-873-01	SCREW +PTT 1.7X2.5 SCREW +BVTT 3X5, (S) SCREW +BVTT 3X10
120 121 122	7-621-555-52	SCREW +K 2X8 SCREW +P 2.6X5	165 166 167		W 3, MIDDLE STRING, TETRON DIAL (0.5MM)
123 124 125	7-621-772-48	SCREW +B 2X8 LW 2, TYPE B	168 169	9-911-840-XX A-4505-089-A	CUSHION (Canadian,AEP,UK,E)CARTRIDGE COMPLETE ASSY
126 127 128	7-624-104-04 7-624-105-04	STOP RING 2.0, TYPE -E STOP RING 2.3, TYPE -E STOP RING 3.0, TYPE -E		X-3701-109-0 ;X-4885-502-0	YOKE ASSY, HORIZONTAL PULLEY ASSY BRACKET (A) ASSY, GUIDE ROLLER BRACKET (B) ASSY, GUIDE ROLLER

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- Due to standardization, parts with part numbers $(\triangle \Delta \triangle \triangle \Delta \triangle \triangle XX$ or $\triangle \Delta \triangle \triangle \triangle \Delta \triangle \triangle X)$ may be different from those used in the set.

CAPACITORS:

All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, ÜH : µН

GENERAL SECTION

No.	Part No.	Description
175	;X-4885-504-0 ;X-4885-505-0 X-4885-506-0	
178 🌡	;X-4885-507-0 ;X-4885-509-0 ;X-4885-510-0	
181	X-4885-511-0 X-4885-512-0 ;X-4885-513-0	COVER ASSY, DUST
183 184 185	X-4885-515-1	ROTOR ASSY
186 187	X-4885-702-3 X-4885-710-0	BRACKET ASSY, MOTOR WORM ASSY

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
222	.1-526-565-00 3-532-616-00 3-701-630-00	BAG, POLYETHYLENE
224 225	3-701-634-00 3-701-806-03	BAG, POLYETHYLENE ADAPTOR, 45, (E)
226 226 226 226 226	3-773-230-11 3-773-230-21 3-773-230-31 3-773-230-41	(AEP,UK,E)MANUAL, INSTRUCTION (US,Canadian)MANUAL, INSTRUCTION (Canadian)MANUAL, INSTRUCTION (AEP)MANUAL, INSTRUCTION
227 228	4-808-459-31 4-879-799-00	SCREW (B), MOTOR LOCK PLATE (A), PROTECTION
229 229	4-885-503-01 4-885-503-11	(Canadian, AEP, UK, E)SHEET, TURNTABLE (US)SHEET, TURNTABLE
230 231 232	4-885-533-00 4-885-592-02 4-885-593-02	LOCK (A), TRANSPORT CUSHION (LEFT) CUSHION (RIGHT)
233 234 235	4-885-596-00 4-885-598-01 4-886-703-00	HOLDER, TURNTABLE SCREWDRIVER, ADJUSTMENT SCREW, TRANSPORT
236 4 :	4-886-704-00 4-886-710-00	PLATE, TRANSPORT, ARM SHEET, PROTECTION, DUST COVER

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- Due to standardization, parts with part numbers $(\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$ or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-XX$ may be different from those used in the set

CAPACITORS:

All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS

- 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : μH

The components identified by shading and mark Aire critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No. Part No.	Description	Ref.No.	Part No.	Description
	MAGNET (VERTICAL) BASE POST (U TYPE)	D101 D103 D104	8-719-815-55 8-719-910-65 8-719-910-65	DIODE HZ6B2L
503 A-1-534-817-X 503 A-1-551-472-0 503 A-1-551-628-0 503 A-1-556-562-0	(US,Canadian)CORD, POWER	D105 D106 D107	8-719-815-55 8-719-815-55 8-719-815-55	
504 4 ;1-535-116-06 505 4 ;1-535-416-06		D108 D109 D201	8-719-815-55 8-719-815-55 8-719-815-55	DIODE 1S1555
506 1-556-242-0 506 1-556-242-2	(AEP,UK,E)CORD, CONNECTION (US,Canadian)CORD, CONNECTION	D202 D203	8-719-815-55 8-719-815-55	DIODE 1S1555 DIODE 1S1555
507 1-556-552-0 508 1-556-730-1 508 1-556-730-2		D204 D205	8-719-815-55 8-719-815-55	DIODE 1S1555
509 4;1-560-596-0	PIN, CONNECTOR 2P PIN, CONNECTOR 3P	D206 D301	8-719-901-43 8-719-200-02	DIODE HZ4B3
511 1:1-560-598-0	PIN, CONNECTOR 4P PIN, CONNECTOR 3P	D302 D303 D304	8-719-200-02 8-719-200-02 8-719-200-02	DIODE 10E-2
513 1-560-603-0	PIN, CONNECTOR 4P PIN, CONNECTOR 5P	D501 D502	8-719-903-50 8-719-903-50	
516 1-560-708-0	PIN, CONNECTOR 6P PIN, CONNECTOR 2P PIN, CONNECTOR 8P	D503	8-719-903-50 8-719-903-50	DIODE GL-3HD5
	PC BOARD, FG	D601 D901	8-719-200-02 8-719-815-55	
519 3 ;A-4619-190-	MOUNTED PCB, SERVO PC BOARD, SYSTEM CONTROL	H101 H102 H701	8-719-800-17 8-719-800-17 8-719-800-17	DIODE THS102A DIODE THS102A DIODE THS102A
520 •;A-4619-191-	MOUNTED PCB, SYSTEM CONTROL O PC BOARD, CONTROL SW	IC101	8-759-602-65 8-759-145-58	IC CX-065B IC UPC4558C
522 1:1-608-903-0	D PC BOARD, POWER SW D PC BOARD, DRIVING	IC103		IC UPC4558C
524 4 ;1-608-905-0 525 4 ;1-608-906-0 526 4 ;1-608-907-0		IC 202	8-759-174-11 8-759-145-57	IC UPC741C IC UPC4557C
527 •;1-608-908-0	PC BOARD, SIZE DETECT PC BOARD, REMOTE CONTROL	IC204 IC205 IC206	8-759-145-58 8-759-145-58 8-759-145-57	IC UPC4558C IC UPC4558C IC UPC4557C
530 4;1-608-914-0	D PC BOARD, TRANSLATION D PC BOARD, TRANSLATION CIRCUIT	IC207 IC208	8-759-145-58 8-759-145-58	
	MOUNTED PCB, VERTICAL DRIVING	J901 M901	1-507-813-00 1-541-219-00	JACK MOTOR (MD)
534 A-4647-065-	A MOUNTED PCB, HORIZONTAL	M902	1-541-218-00	MOTOR (TONEARM DRIVE)
	COMPOSITION CIRCUIT BLOCK 10KX4 COMPOSITION CIRCUIT BLOCK 47KX10	L201 L202 L203 L204	1-407-177-XX 1-407-169-XX 1-407-169-XX 1-407-169-XX	MICRO INDUCTOR 470UH MICRO INDUCTOR 100UH MICRO INDUCTOR 100UH MICRO INDUCTOR 100UH

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CAPACITORS

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : µҤ

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
PL901	1-518-343-72	LAMP, PILOT
Q101	8-729-612-77	TRANSISTOR 2SA1027R
Q102	8-729-663-47	TRANSISTOR 2SC1364
Q103	8-729-663-47	TRANSISTOR 2SC1364
Q104	8-729-141-42	TRANSISTOR 2SD414-R
Q105	8-729-154-83	TRANSISTOR 2SB548-R
Q106	8-729-141-42	TRANSISTOR 2SD414-R
Q107	8-729-154-83	TRANSISTOR 2SB548-R
Q108	8-729-141-42	TRANSISTOR 2SD414-R
Q109	8-729-154-83	TRANSISTOR 2SB548-R
Q110	8-729-663-47	TRANSISTOR 2SC1364
Q111	8-729-612-77	TRANSISTOR 2SA1027R
Q112	8-729-141-42	TRANSISTOR 2SD414-R
Q113	8-729-663-47	TRANSISTOR 2SC1364
Q114	8-729-663-47	TRANSISTOR 2SC1364
Q115	8-729-663-47	TRANSISTOR 2SC1364
Q116	8-729-154-83	TRANSISTOR 2SB548-R
Q201	8-729-612-77	TRANSISTOR 2SA1027R
Q202	8-729-612-77	TRANSISTOR 2SA1027R
Q203	8-729-663-47	TRANSISTOR 2SC1364
Q204	8-729-663-47	TRANSISTOR 2SC1364
Q205	8-729-663-47	TRANSISTOR 2SC1364
Q206	8-729-663-47	TRANSISTOR 2SC1364
Q211	8-729-141-42	TRANSISTOR 2SD414-R
Q212	8-729-154-83	TRANSISTOR 2SB548-R
Q213	8-729-224-61	TRANSISTOR 2SK246
Q214	8-729-612-77	TRANSISTOR 2SA1027R
Q215	8-729-663-47	TRANSISTOR 2SC1364
Q216	8-729-663-47	TRANSISTOR 2SC1364
Q217	8-729-224-61	TRANSISTOR 2SK246
Q218	8-729-224-61	TRANSISTOR 2SK246
Q219	8-729-141-42	TRANSISTOR 2SD414-R
Q220	8-729-154-83	TRANSISTOR 2SB548-R
Q221	8-729-612-77	TRANSISTOR 2SA1027R
Q223	8-729-141-42	TRANSISTOR 2SD414-R
Q401	8-729-101-01	TRANSISTOR PH101
Q402	8-729-101-01	TRANSISTOR PH101
0801	8-729-141-42	TRANSISTOR 2SD414-R
0802	8-729-141-42	TRANSISTOR 2SD414-R
0803	8-729-154-83	TRANSISTOR 2SB548-R
Q804	8-729-154-83	TRANSISTOR 2SB548-R
Q901	8-729-224-61	TRANSISTOR 2SK246
Q902	8-729-663-47	TRANSISTOR 2SC1364
Q903	8-729-663-47	TRANSISTOR 2SC1364
Q904	8-729-663-47	TRANSISTOR 2SC1364

ELECTRICAL PARTS

Ref.No. Part No. D	escription			
R102 1-247-887-00 C	ARBON	220K	5%	1/6W 1/6W 1/6W
R104 1-247-855-00 C	ARBON	10K	5%	1/6W 1/6W
				1/6W
R108 1-214-779-00 M	ETAL	120K	1%	1/6W 1/4W 1/4W
R112 1-247-815-00 C	ARBON	220	5%	1/6W 1/6W
R113 1-247-873-00 C	ARBON	56K	5%	1/6W
R115 1-247-855-00 C	ARBON	10K	5% 5% 5%	1/6W 1/6W 1/6W
			5% 5%	1/6W 1/6W
			5%	1/6W
R121 1-247-895-00 C	ARBON	470K	5% 5% 5%	1/6W 1/6W 1/6W
			5% 5%	1/6W 1/6W
R125 1-247-815-00 C	ARBON	220	5%	1/6W
R127 1-247-867-00 C	ARBON	33K	5%	1/6W 1/6W 1/6W
R130 A.1-212-849-00 F	USIBLE	4.7	5% 5% 5%	1/6W 1/4W F 1/4W F
R134 A. 1-212-849-00 F	USIBLE	4.7	5%	1/4W F 1/4W E 1/4W F
R136 1-244-877-00 C	ARBON	1.5K	5%	1/2W
			5% 5%	1/2W 1/6W
R140 1-247-853-00 C	ARBON	8.2K	5% 5% 5%	1/6W 1/6W 1/6W
R143 1-247-855-00 C	ARBON	10K	5% 5% 5%	1/6W 1/6W 1/6W
R145 1-247-879-00 C	ARBON	100K	5% 5%	1/6 W 1/6 W
			5% 5%	1/6W 1/4W F

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CAPACITORS:

PARACTIONS:
All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.
MF:μF, PF:μμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : µH

The components identified by shading and mark Are critical for safety.

Replace only with part number specified.

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
R205	1-247-825-00	CARBON	560	5%	1/6W	R251	1-247-899-00	CARBON	680K	5%	1/6W
R207	1-247-831-00	CARBON	1K	5%	1/6W	R252	1-247-899-00	CARBON	680K	5%	1/6W
R208	1-247-831-00	CARBON	1K	5%	1/6W	R253	1-247-887-00	CARBON	220K	5%	1/6W
R209	1-247-807-00	C ARBON	100	5%	1/6W	R254	1-247-825-00	CARBON	560	5%	1/6W
R210	1-247-807-00	C ARBON	100	5%	1/6W	R255	1-247-873-00	CARBON	56K	5%	1/6W
R211	1-247-831-00	C ARBON	1K	5%	1/6W	R256	1-247-831-00	CARBON	1K	5%	1/6W
R212	1-247-831-00	CARBON	1K	5%	1/6W	R257	1-247-879-00	CARBON	100K	5%	1/6W
R213	1-247-831-00		1K	5%	1/6W	R258	1-247-863-00	CARBON	22K	5%	1/6W
R214	1-247-831-00		1K	5%	1/6W	R259	1-247-863-00	CARBON	22K	5%	1/6W
R215	1-247-831-00		1K	5%	1/6W	R260	1-247-879-00	CARBON	100K	5%	1/6W
R216	1-247-831-00		1K	5%	1/6W	R261	1-247-863-00	CARBON	22K	5%	1/6W
R217	1-247-831-00		1K	5%	1/6W	R262	1-247-855-00	CARBON	10K	5%	1/6W
R218	1-247-831-00	CARBON	1K	5%	1/6W	R263	1-247-855-00	CARBON	10K	5%	1/6W
R219	1-247-831-00		1K	5%	1/6W	R264 A	1-212-849-00	FUSIBLE	4.7	5%	1/4W F.
R220	1-247-831-00		1K	5%	1/6W	R265 A	1-212-849-00	FUSIBLE	4.7	5%	1/4W F.
R221	1-247-831-00	CARBON	1K	5%	1/6W	R266 A	1-212-849-00	FUSIBLE	4.7	5%	1/4W F
R222	1-247-851-00	CARBON	6.8K	5%	1/6W	R267	1-247-867-00	CARBON	33K	5%	1/6W
R223	1-247-807-00	CARBON	100	5%	1/6W	R268	1-247-867-00	CARBON	33K	5%	1/6W
R224	1-247-867-00	CARBON	33K	5%	1/6W	R269	1-247-855-00	CARBON	10K	5%	1/6W
R225	1-247-867-00	CARBON	33K	5%	1/6W	R270	1-247-855-00	CARBON	10K	5%	1/6W
R226	1-247-855-00	CARBON	10K	5%	1/6W	R271	1-247-855-00	CARBON	10K	5%	1/6W
R227	1-247-855-00	CARBON	10K	5%	1/6W	R272	1-247-879-00	CARBON	100K	5%	1/6W
R228	1-247-847-00	CARBON	4.7K	5%	1/6W	R273	1-247-867-00	CARBON	33K	5%	1/6W
R229	1-247-847-00	CARBON	4.7K	5%	1/6W	R274	1-247-879-00	CARBON	100K	5%	1/6W
R230	1-247-847-00	CARBON	4.7K	5%	1/6W	R275	1-247-855-00	CARBON	10K	5%	1/6W
R231	1-247-847-00	CARBON	4.7K	5%	1/6W	R276	1-247-855-00	CARBON	10K	5%	1/6W
R232	1-247-831-00	CARBON	1K	5%	1/6W	R277	1-247-879-00	CARBON	100K	5%	1/6W
R233	1-247-831-00	CARBON	1K	5%	1/6W	R278	1-247-839-00	CARBON	2.2K	5%	1/6W
R234	1-247-855-00	CARBON	10K	5%	1/6W	R279	1-247-879-00	CARBON	100K	5%	1/6W
R235	1-247-855-00	CARBON	10K	5%	1/6W	R280	1-247-831-00	CARBON	1K	5%	1/6W
R236	1-247-855-00	CARBON	10K	5%	1/6W	R281	1-247-859-00	CARBON	15K	5%	1/6W
R237	1-247-855-00		10K	5%	1/6W	R282	1-247-859-00	CARBON	15K	5%	1/6W
R238	1-247-867-00		33K	5%	1/6W	R283	1-247-855-00	CARBON	10K	5%	1/6W
R239	1-247-855-00	CARBON	10K	5%	1/6W	R284	1-247-855-00	CARBON	10K	5%	1/6W
R240	1-247-831-00		1K	5%	1/6W	R285	1-247-867-00	CARBON	33K	5%	1/6W
R241	1-212-849-00		4.7	5%	1/4W F	R286	1-247-873-00	CARBON	56K	5%	1/6W
R242 ,	1-212-849-00	FUSTBLE	4.7	5%	1/4W F	R287	1-247-867-00	CARBON	33K	5%	1/6W
R243	1-247-887-00	CARBON	220K	5%	1/6W	R289	1-247-867-00	CARBON	33K	5%	1/6W
R244	1-247-878-00	CARBON	91K	5%	1/6W	R290	1-247-895-00	CARBON	470K	5%	1/6W
R245	1-247-879-00	FUSIBLE	100K	5%	1/6W	R291	1-247-835-00	CARBON	1.5K	5%	1/6W
R246	4.1-212-875-00		56	5%	1/4W F	R292	1-247-873-00	CARBON	56K	5%	1/6W
R247 Z	4.1-212-875-00		56	5%	1/4W F	R293	1-247-831-00	CARBON	1K	5%	1/6W
R248	1-247-887-00	CARBON	220K	5%	1/6W	R294	1-247-879-00	CARBON	100K	5%	1/6W
R249	1-247-889-00		270K	5%	1/6W	R295	1-247-879-00	CARBON	100K	5%	1/6W
R250	1-247-889-00		270K	5%	1/6W	R296	1-247-863-00	CARBON	22K	5%	1/6W

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- . Due to standardization, parts with part numbers ($\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$) or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-XX$) may be different from those used in the set

CAPACITORS:

· All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- · All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS

 $^{\prime}$ MMH : mH, UH : μH

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			
R297	1-247-863-00	CARBON	22K	5%	1/6W
R298	1-247-863-00	CARBON	22K	5%	1/6W
R299	1-247-855-00	CARBON	10K	5%	1/6W
R300	1-247-855-00	CARBON	10K	5%	1/6W
R301 A	1-212-849-00	FUSIBLE	4.7	5%	1/4W F
R302	1-247-883-00	CARBON	150K	5%	1/6W
R303 A	1-212-849-00	FUSIBLE	4.7	5%	1/4W F
R304 ∆	3-1-212-849-00	FUSIBLE	4.7	5%	1/4W F
R305	1-247-831-00	CARBON	1K	5%	1/6W
R306	1-247-867-00	CARBON	33K	5%	1/6W
R307	1-247-843-00	CARBON	3.3K	5%	1/6W
R308	1-247-895-00	CARBON	470K	5%	1/6W
R309	1-247-855-00	CARBON	10K	5%	1/6W
R310	1-247-839-00	CARBON	2.2K	5%	1/6W
R311	1-214-721-00	METAL	470	1%	1/4W
R312	1-214-745-00	METAL	4.7K	1%	1/4W
R313	1-214-745-00	METAL	4.7K	1%	1/4W
R314	1-214-777-00	METAL	100K	1%	1/4W
R315	1-214-777-00	METAL	100K	1%	1/4W
R316	1-214-741-00	METAL	3.3K	1%	1/4W
R317	1-214-777-00	METAL	100K	1%	1/4W
R318	1-214-777-00	METAL	100K	1%	1/4W
R319	1-214-777-00	METAL	100K	1%	1/4W
R320	1-214-753-00	METAL	10K	1%	1/4W
R321	1-214-753-00	METAL	10K	1%	1/4W
R322	1-247-903-00	CARBON	1M	5%	1/6W
R323	1-247-815-00	CARBON	220	5%	1/6W
R324	1-247-815-00	CARBON	220	5%	1/6W
R325	1-247-815-00	CARBON	220	5%	1/6W
R326	1-247-815-00	CARBON	220	5%	1/6W
R501	1-247-825-00	CARBON	560	5%	1/6W
R502	1-247-825-00	CARBON	560	5%	1/6W
R503	1-247-825-00	CARBON	560	5%	1/6W
R504	1-247-825-00	CARBON	560	5%	1/6W
R505	1-247-801-00	CARBON	56	5%	1/6W
R901	1-247-847-00	CARBON	4.7K	5%	1/6W
R902	1-247-903-00	CARBON	1M	5%	1/6W
R903	1-247-871-00	CARBON	47K	5%	1/6W
R904	1-247-887-00	CARBON	220K	5%	1/6W
R905	1-247-879-00	CARBON	100K	5%	1/6W
R906	1-247-847-00	CARBON	4. 7K	5%	1/6W
R907	1-247-855-00	CARBON	10K	5%	1/6W
R908	1-247-895-00	CARBON	470K	5%	1/6W
R909	1-247-887-00		220K	5%	1/6W
R910	1-247-825-00		560	5%	1/6W

ELECTRICAL PARTS

		· · · · · · · · · · · · · · · · · · ·
Ref.No.	Part No.	Description
RV101 RV102 RV103	1-228-239-00 1-228-238-00 1-226-234-00	RES, ADJ, METAL GLAZE 50K (SPEED 45RPM) RES, ADJ, METAL GLAZE 20K (SPEED 33RPM) RES, ADJ, CARBON 2K-B (GAIN)
RV104 RV105 RV106	1-226-236-00	RES, ADJ, CARBON 2K-B (GAIN) RES, ADJ, CARBON 10K-B (OFFSET) RES, ADJ, CARBON 10K-B (OFFSET)
RV202	1-226-236-00 1-226-236-00 1-228-542-00	RES, ADJ, CARBON 10K-B (V.OFFSET) RES, ADJ, CARBON 10K-B (TONEARM ANGLE 2) RES, ADJ, METAL GLAZE 10K (H.OFFSET)
RV204	1-228-542-00	RES, ADJ, METAL GLAZE 10K (TONEARM ANGLE 1)
RV205 RV206	1-226-236-00 1-228-542-00	RES, ADJ, CARBON 10K-B (STYLUS FORCE) RES, ADJ, METAL GLAZE 10K (STYLUS FORCE)
RY601	1-515-323-00	RELAY
S1 S2 S3	1-554-337-00 1-554-205-00 1-554-205-00	
\$4 \$501 \$502	1-553-909-00 1-554-303-00 1-554-303-00	SWITCH, PUSH (POWER) SWITCH, KEY BOARD (OPEN/CLOSE) SWITCH, KEY BOARD (START/STOP)
\$503	1-554-303-00	SWITCH, KEY BOARD (ARM TRANSPORT TO RIGHT)
\$504	1-554-303-00	
\$507	1-554-303-00 1-554-303-00 1-554-303-00 4-1-552-535-00	SWITCH, KEY BOARD (SPEED 33/45)
T901 4	A.1-446-851-31 A.1-447-124-00 A.1-447-125-00	(AFP UK)TRANSFORMER POWER
X201	1-527-532-00	OSCILLATOR, CERAMIC

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- . Due to standardization, parts with part numbers (Δ - Δ Δ - Δ Δ - Δ Δ -XX or Δ - Δ Δ Δ - Δ Δ -X) may be different from those used in the set.

CAPACITORS:

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : μH

The components identified by shading and mark Aare critical for safety. Replace only with pari number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la scurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MYLAR CAPACITORS

	RATING										
(50 VOLT.	100 VOLT.	200 VOLT.	04B (v.E)	50 VOLT.	100 VOLT.	200 VOLT.	CAD (E)	50 VOLT.	100 VOLT.	200 VOLT.
CAP. (µF)	PART No.	PART No.	PART No.	CAP. (µF)	PART No.	PART No.	PART No.	CAP. (µF)	PART No.	PART No.	PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	_	_
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	_	_
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	_	_
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	_	-
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				



TANTALUM CAPACITORS

			RATING	→ :	Use the high voltag	e rated one.	
	3.15 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	25 VOLT.	35 VOLT.
CAP. (µF)	PART No.	PART No.	PART No.				
0.01					→	→	1-131-396-00
0.015						→	1-131-397-00
0.022						→	1-131-398-00
0.033						→	1-131-399-00
0.047						→	1-131-400-00
0.068					→	→	1-131-401-00
0.1					→	→	1-131-402-00
0.15					→	→	1-131-403-00
0.22					→	→	1-131-404-00
0.33					→	1-131-409-00	1-131-405-00
0.47	-	_		_	1-131-412-00	→	1-131-406-00
0.68	-	_	-	1-131-415-00	→	1-131-410-00	1-131-407-00
1.0	_	_	1-131-418-00	-	1-131-413-00	→	1-131-408-00
1.5	_	1-131-421-00	-	1-131-416-00	→	1-131-411-00	1-131-348-00
2.2	1-131-424-00	_	1-131-419-00	~~	1-131-414-00	1-131-355-00	1-131-349-00
3.3	_	1-131-422-00	_	1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00	_	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8	_	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	_
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00	1	
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00			
47	1-131-393-00	1-131-387-00	1-131-381-00	_			
68	1-131-394-00	1-131-388-00	_	-			
100	1-131-395-00	-		_			



			RATING		1	
04D (UE)	3 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	35 VOLT.
CAP. (µF)	PART No.					
0.033						1-131-273-00
0.047						1-131-274-00
0.068						1-131-275-00
0.1						1-131-276-00
0.15						1-131-277-00
0.22			-	-	1-131-262-00	1-131-278-00
0.33			_	_	1-131-263-00	1-131-279-00
0.47			1-131-169-00	-	1-131-264-00	1-131-280-00
0.68			_	1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00		1-131-266-00	1-131-282-00
1.5		1-131-250-00	_	_	1-131-267-00	1-131-283-00
2.2		-	_	1-131-259-00	1-131-268-00	1-131-284-00
3.3		_	1-131-255-00	_	1-131-269-00	
4.7		1-131-251-00	1-131-171-00	_	1-131-270-00	_
6.8		_	_	1-131-260-00	1-131-271-00	-
10	-	_	1-131-256-00	-	1-131-272-00	
15	_	1-131-252-00	-	1-131-261-00		
22	-	_	1-131-257-00	-		
33	1-131-176-00	1-131-253-00	1-131-173-00	_		
47	1-131-288-00	1-131-174-00	_	-		
100	1-131-177-00					

ELECTROLYTIC CAPACITORS

			RATING		→: Use the high vol	tage rated one.
212 (5)	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
CAP. (μF)	PART No.	PART No.				
0.47					-	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→	→	→	1-121-392-00	→	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	→		1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	→	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33		→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000		1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	
3300	1-121-661-00	1-123-075-00	1-123-071-00	_		

(-)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
CAP. (µF)	PART No.	PART No.	PART No.	PART No.
0.47		_	_	-
1.0	1-123-249-00	1-123 252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-)26-00	_	1-123-028-00
3.3	1-121-995-00	-	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	_	and a
47	1-123-251-00	1-121-919-00	_	
100	1-123-084-00		_	

CERAMIC CAPACITORS

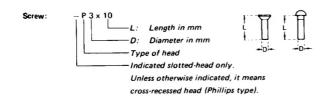
			RAT	ING			
	50 VOLT.	2.2 (5)	50 VOLT.	040 (.5)	50 VOLT.	0.00 (.5)	50 VOLT.
CAP. (pF)	PART No.	CAP. (pF)	PART No.	CAP. (pF)	PART No.	CAP. (μF)	PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

 $0.001\mu F = 1,000pF$

CERAMIC (SEMICONDUCTOR) CAPACITORS

		RA	ATING	: Use the high vo	Itage rated one.	
	25 VOLT.	50 VOLT.		25 VOLT.	50 VOLT. PART No.	
CAP. (µF)	PART No.	PART No.	CAP. (μF)	PART No.		
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00	
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00	
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00	
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00	
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00	
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00	
0.0033	→	1-161-045-00	0.056	→	1-161-060-00	
0.0039		1-161-046-00	0.068	→	1-161-061-00	
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00	
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00	
0.0068	→	1-161-049-00				
0.0082	1-161-012-00	1-161-050-00				
0.01	1-161-013-00	1-161-051-00				
0.012	→	1-161-052-00				
0.015	1-161-015-00	1-161-053-00				

HARDWARE NOMENCLATURE



Reference Designation	Shape	Description	Remarks
		SCREWS	
Р	€3	pan-head screw	binding-head (B) screw for replacement
PWH	1	pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP	85	pan-head screw with spring washer	binding-head (B) screw and spring washer for replace- ment
PSW PSPW	95 (1)	pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R	€3	round-head screw	binding-head (B) screw for replacement
К	Þ	flat-countersunk-head screw	
RK	€ ∍	oval-countersunk-head screw	
В	€3	binding-head screw	
T	(truss-head screw	binding-head (B) screw for replacement
F	₽⊃	flat-fillister-head screw	
RF	€ □	fillister-head screw	
BV	€ ∋	braizer-head screw	

Nut, Washer, Retaining ring:	
	Diameter of usable screw or shaft
	Reference designation

Reference Designation	Shape	Description	Remarks
		SELF-TAPPING SCRE	ws
TA	(H)	self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self- tapping (TA, B) screw for replacement
PTPWH	E	pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH	1-0	pan-head thread-rolling screw with washer face	binding head (B) screw and flat washer for replacement
		SET SCREWS	
SC	€Э-	set screw	
SC	⊚ €∃-	hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N	-0-0	nut	
		WASHERS	
w	0	flat washer	
SW	- ⊘- % -	spring washer	
LW	0	internal-tooth lock washer	ex: LW3, internal
LW	0	external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
E	69	retaining ring	
G	@	grip-type retaining ring	

Sony CorporationConsumer Products Group Technical Support Dept.